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Kuipers & Associates, LLC

Date: May 25, 2010

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring
Opportunity and Warm Springs Sites
April 2010 Monthly Report**

This April 2010 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

Dustfall jars have been in place since October 17, 2008 at both sites to capture settling dust. Results for samples collected between January 1, 2010 and March 28, 2010 can be summarized as follows. For the Opportunity sample, the calculated arsenic concentration was 60.0 mg/kg, and the calculated lead concentration was 78.5 mg/kg. For the Warm Springs sample, the calculated arsenic concentration was 87.0 mg/kg and the calculated lead concentration was approximately 131 mg/kg. These results are of similar magnitude to those for previous settled dust samples that were collected using glass dishes.

Additionally, glass dishes have been in place since August 15, 2008 at both sites to capture settling dust. The dust is being collected onto filters using a personal sampling pump, in conjunction with twice-weekly site visits. Results for samples collected between January 1, 2010 and March 28, 2010 can be summarized as follows. For the Opportunity sample, the calculated arsenic concentration was 53.4 mg/kg, and the calculated lead concentration was 79.5 mg/kg. For the Warm Springs sample, the calculated arsenic concentration was 60.4 mg/kg and the calculated lead concentration was approximately 139 mg/kg. These results are of similar magnitude to those for previous settled dust samples that were collected using glass dishes. Complete results for the dustfall jar and glass dish samples are attached to the end of this report.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from April 1st through April 30th, with 99.7% availability for TSP at the Opportunity location and 99.6% availability for PM10 at the Warm Springs location.

- Downtime at the Opportunity location occurred on April 21 from 13:00 MST through 14:00 MST for routine maintenance.
- Downtime at the Warm Springs location occurred on April 21 from 11:00 MST through 12:00 MST, and on April 30 at 16:00 MST for routine maintenance.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at: <http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at: http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports.
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 59 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 14 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 255 $\mu\text{g}/\text{m}^3$. This value was associated with strong southeast winds, indicating that the Lower Waste Management Area (LWMA) was probably not a contributing source. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 13 $\mu\text{g}/\text{m}^3$, and the average monthly concentration was 6 $\mu\text{g}/\text{m}^3$. The maximum reading for the period on an hourly average basis was 45 $\mu\text{g}/\text{m}^3$. This value was associated with light-to-moderate north-northeast winds, and may have been associated with newly excavated dirt piles to the northeast of the PM10 monitor related to construction activities. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

Table 1
Opportunity Site TSP Maximum Data, April 2010

Maximum	TSP ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	59	4/27/2010	6.5	186
Daily 2nd Max	28	4/12/2010	4.7	23
Daily 3rd Max	26	4/20/2010	5.2	150
Daily 4th Max	25	4/21/2010	4.9	159
Hourly 1st Max	255	4/27/2010 10:00	14.3	147
Hourly 2nd Max	176	4/27/2010 11:00	13.0	152
Hourly 3rd Max	162	4/27/2010 15:00	8.3	207
Hourly 4th Max	129	4/27/2010 19:00	8.3	201

Table 2
Warm Springs Site PM10 Maximum Data, April 2010

Maximum	PM10 ($\mu\text{g}/\text{m}^3$)	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	13	4/21/2010	3.3	61
Daily 2nd Max	13	4/22/2010	4.3	315
Daily 3rd Max	11	4/12/2010	3.2	8
Daily 4th Max	10	4/20/2010	4.0	159
Hourly 1st Max	45	4/22/2010 13:00	5.8	19
Hourly 2nd Max	44	4/22/2010 14:00	5.8	34
Hourly 3rd Max	32	4/21/2010 13:00	3.4	59
Hourly 4th Max	32	4/22/2010 12:00	4.9	17

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was $75 \mu\text{g}/\text{m}^3$, the 24-hour standard was $200 \mu\text{g}/\text{m}^3$ and there was no hourly standard. TSP results for April at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of April were well below the 24-hour Montana Ambient Air Quality Standard of $150 \mu\text{g}/\text{m}^3$. The average monthly concentration was below the annual PM10 standard of $50 \mu\text{g}/\text{m}^3$. There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was slightly above average at the Butte airport. However, the automated rain gauge at Opportunity registered only 0.34 inches of precipitation during the month. This is believed to be accurate, as several storms that produced snow accumulations in Butte resulted in very little precipitation at Opportunity and Warm Springs.
- Wind roses are attached to graphically depict prevailing winds.
 - Figure 1 shows the Opportunity location, where the predominant wind directions in April were from the southwest quadrant, with occasional north-northeast winds.
 - Figure 2 shows the Warm Springs location, where winds were mostly from the south-southeast through west. North-northeast winds were also fairly common.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

Dust Event Contacts:

Steve Heck	498-4199
David Dobrinien	563-7476, then 490-9205
Jim Kuipers	782-3441, then 459-0445

Table 3
Opportunity Site Daily Average Data

Date	TSP Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)	Precipitation Total (inches)
April 1, 2010	3	2.2	4.8	331	-2.0	28.4	62	0.00
April 2, 2010	6	2.9	6.5	219	-0.8	30.6	55	0.00
April 3, 2010	4	3.1	7.0	276	-0.8	30.5	51	0.00
April 4, 2010	5	2.6	5.8	203	-0.1	31.8	44	0.00
April 5, 2010	16	1.9	4.2	240	0.8	33.5	60	0.01
April 6, 2010	4	2.7	6.0	302	-0.2	31.7	60	0.02
April 7, 2010	7	2.6	5.9	246	1.8	35.3	51	0.00
April 8, 2010	21	4.0	9.0	237	1.9	35.3	48	0.00
April 9, 2010	8	2.4	5.4	243	-1.8	28.7	41	0.00
April 10, 2010	14	1.4	3.0	112	0.7	33.3	44	0.00
April 11, 2010	21	1.9	4.2	12	1.9	35.4	56	0.00
April 12, 2010	28	2.1	4.7	23	2.2	35.9	63	0.00
April 13, 2010	7	2.1	4.8	347	0.5	32.9	81	0.24
April 14, 2010	11	3.0	6.8	257	4.9	40.8	56	0.00
April 15, 2010	10	1.7	3.9	145	5.9	42.6	54	0.00
April 16, 2010	14	2.6	5.8	157	9.0	48.3	47	0.00
April 17, 2010	16	2.3	5.1	236	9.3	48.8	55	0.00
April 18, 2010	13	1.6	3.7	268	8.1	46.6	55	0.00
April 19, 2010	15	1.5	3.3	54	9.6	49.4	47	0.00
April 20, 2010	26	2.3	5.2	150	12.1	53.8	48	0.00
April 21, 2010	25	2.2	4.9	159	12.6	54.7	51	0.00
April 22, 2010	18	3.7	8.2	NO DATA	10.0	50.0	65	0.00
April 23, 2010	16	3.3	7.4	NO DATA	6.7	44.1	43	0.00
April 24, 2010	18	3.3	7.3	NO DATA	5.8	42.4	47	0.00
April 25, 2010	6	2.5	5.6	NO DATA	2.0	35.6	49	0.00
April 26, 2010	21	1.5	3.3	175	5.1	41.2	46	0.00
April 27, 2010	59	2.9	6.5	186	9.9	49.9	48	0.05
April 28, 2010	4	3.8	8.6	268	3.5	38.4	50	0.00
April 29, 2010	11	4.1	9.2	260	0.8	33.4	72	0.02
April 30, 2010	2	3.2	7.1	315	3.0	37.5	66	0.00

Table 4
Warm Springs Site Daily Average Data

Date	PM10 Daily ($\mu\text{g}/\text{m}^3$)	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
April 1, 2010	3	1.1	2.5	360	-2.1	28.2	64
April 2, 2010	2	3.3	7.4	199	-0.1	31.9	55
April 3, 2010	2	2.5	5.7	263	-0.7	30.8	54
April 4, 2010	4	3.1	6.9	178	0.7	33.2	44
April 5, 2010	9	1.7	3.9	209	1.5	34.7	59
April 6, 2010	2	1.3	3.0	311	-0.1	31.9	67
April 7, 2010	3	2.6	5.7	231	2.6	36.7	52
April 8, 2010	5	4.8	10.8	215	2.7	36.9	47
April 9, 2010	3	3.2	7.2	245	-0.8	30.6	38
April 10, 2010	7	1.2	2.6	55	1.4	34.5	46
April 11, 2010	8	1.3	2.8	14	2.5	36.5	55
April 12, 2010	11	1.4	3.2	8	2.7	36.9	64
April 13, 2010	3	1.5	3.4	203	1.0	33.8	82
April 14, 2010	3	2.6	5.9	233	5.7	42.3	56
April 15, 2010	8	1.3	2.9	141	6.4	43.4	56
April 16, 2010	6	2.2	4.8	175	9.8	49.6	48
April 17, 2010	8	1.9	4.3	200	9.8	49.7	57
April 18, 2010	9	1.4	3.2	204	9.0	48.2	56
April 19, 2010	9	1.3	3.0	151	10.9	51.7	47
April 20, 2010	10	1.8	4.0	159	13.2	55.8	46
April 21, 2010	13	1.5	3.3	61	13.0	55.4	54
April 22, 2010	13	1.9	4.3	315	11.0	51.8	65
April 23, 2010	7	1.7	3.8	359	7.0	44.6	48
April 24, 2010	5	3.2	7.2	265	6.5	43.8	47
April 25, 2010	3	1.8	4.0	318	2.5	36.6	50
April 26, 2010	7	1.4	3.2	179	5.4	41.7	50
April 27, 2010	8	3.5	7.9	188	10.7	51.3	48
April 28, 2010	2	4.5	10.0	252	3.8	38.8	54
April 29, 2010	2	2.8	6.2	253	1.7	35.1	67
April 30, 2010	2	2.5	5.6	324	4.2	39.5	62

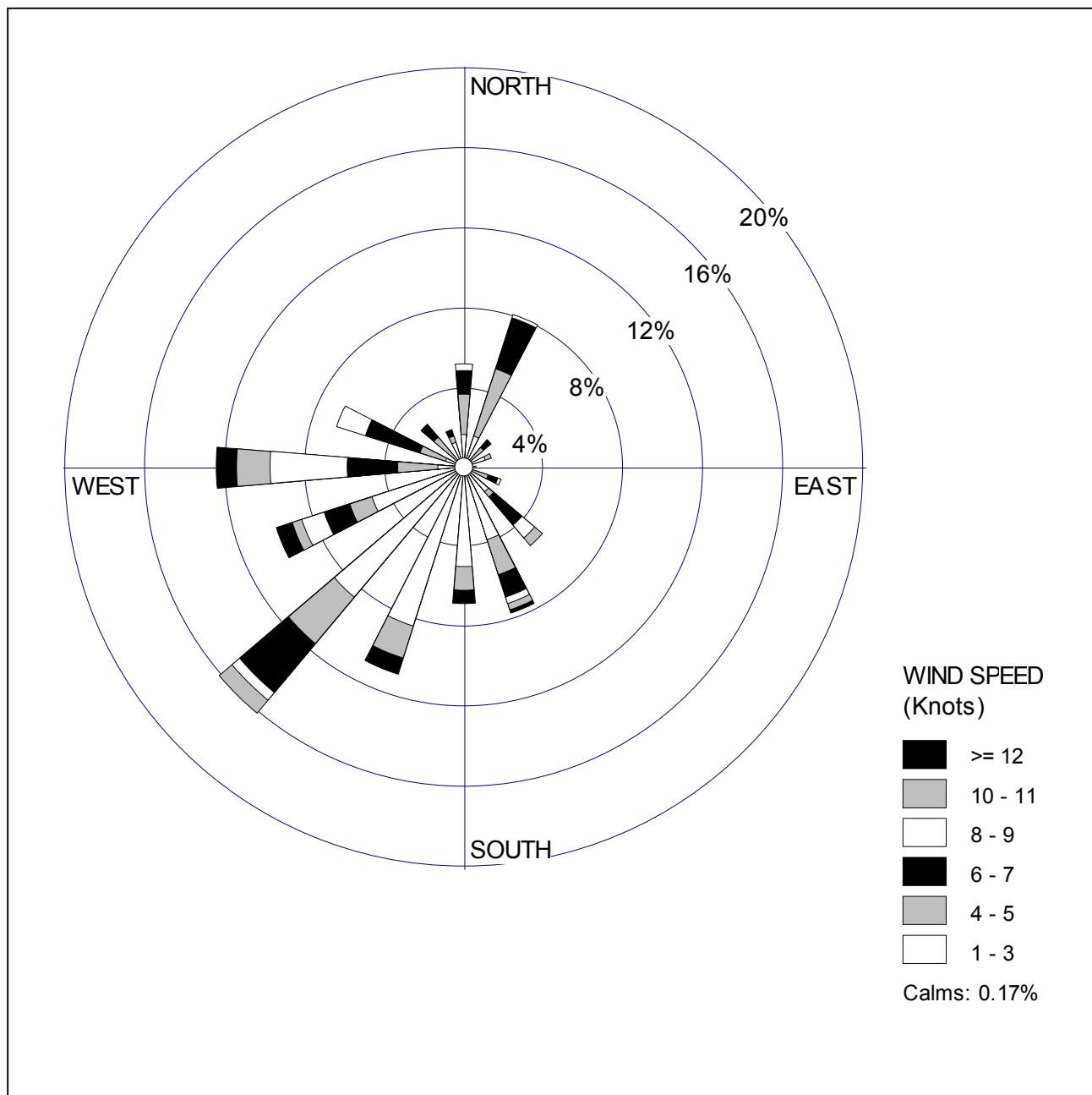


Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site April 2010.

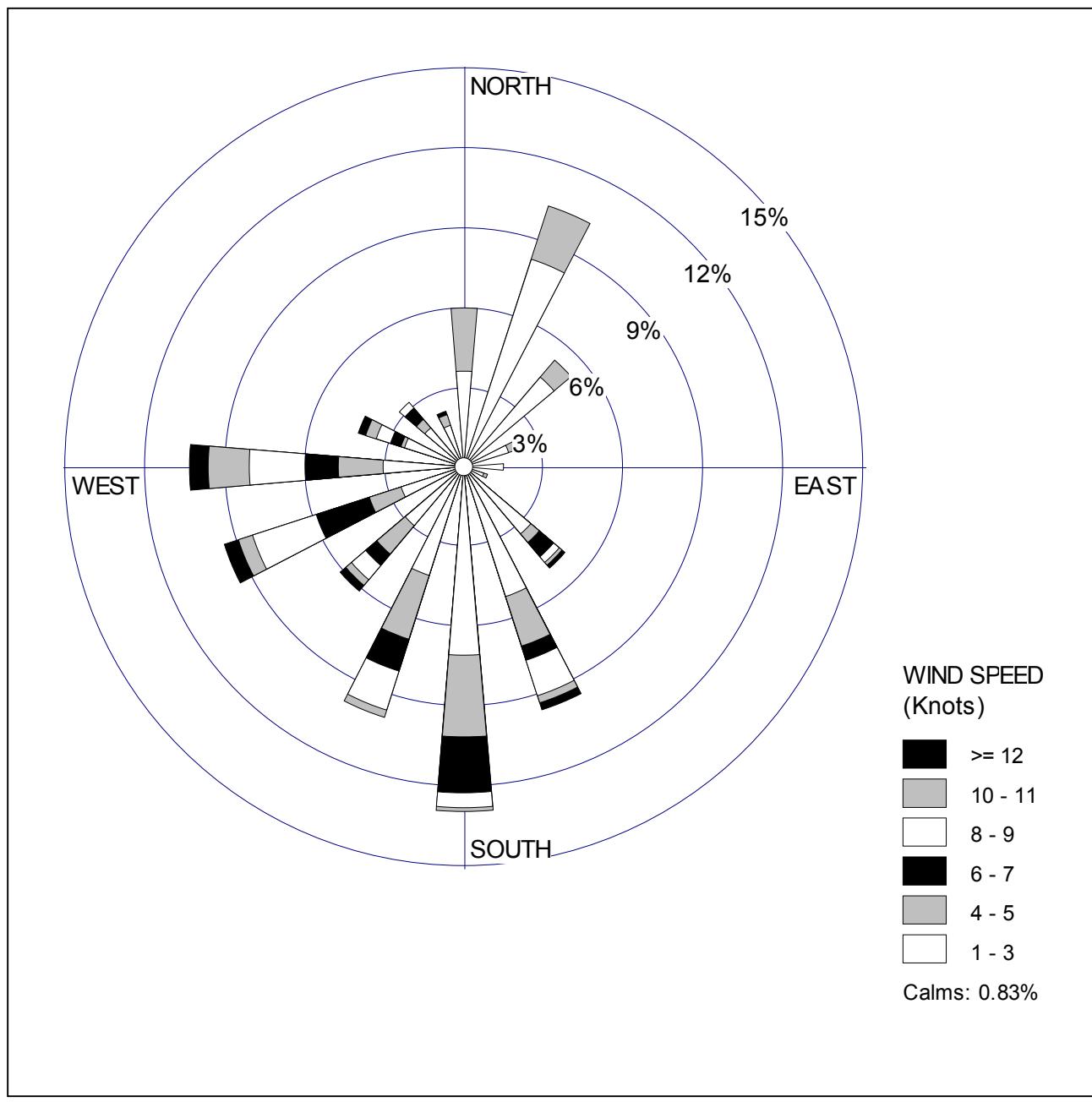


Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site April 2010.



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MEMORANDUM – Opportunity / Warm Springs Ambient Dust Sampling Events – Draft

Sampling Period: January 1 – March 28, 2010 (Settled Dust and Dustfall)

Submitted by Steve Heck, Blacktail Consulting, Inc.

May 11, 2010

This memorandum describes the preliminary results of settled dust and dustfall sampling conducted at the Opportunity and Warm Springs air monitoring sites on behalf of Kuipers and Associates, and Anaconda-Deer Lodge County. All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan.

1. INTRODUCTION

Since the late summer of 2008, opportunistic settled dust and dustfall sampling has been conducted at the Opportunity and Warm Springs air monitoring sites to determine the trace metal content of airborne particulate that settles on outdoor surfaces. The settled dust samples have been collected by vacuuming settled particulate onto filter cassettes from clean glass dishes. After initial sample handling issues were resolved, these sampling events proceeded smoothly, with consistent analytical results.

The dustfall sampling was more problematic, for reasons that became apparent as sampling progressed:

- Initially, the entire contents of each dustfall jar (which included a large volume of liquid) were evaporated in a 2,000 ml glass beaker. The evaporated beakers were weighed on a 0.01-g resolution balance. This approach provided poor resolution, and consequently large uncertainty in particulate mass determinations.
- During the winter of 2008-2009, high-grade isopropyl alcohol was added to the dustfall jars in the field to prevent freezing. The alcohol was found to have minimal amounts of arsenic and zinc. However, the large amount of alcohol used for each sample (due to rapid evaporation) introduced large uncertainties into the analytical results.

Both problems were resolved over the first few sampling episodes. However, another problem developed during the late spring: flying insects such as flies, gnats and bees – and occasionally airborne plant material –became trapped in the dustfall liquid, rendering reliable particulate mass determinations impossible. This problem continued through the summer and early fall, and samples collected during those seasons were not analyzed.

The second set of insect-free dustfall samples was collected over the period of January 1, 2010 to March 28, 2010. Settled particulate samples were also collected over the same period. This sampling episode is the second for which reliable comparisons can be made between dustfall and settled dust analytical results at the Opportunity and Warm Springs sites.

2. SAMPLE COLLECTION

2.1 Settled Dust Samples

On January 1, 2010, four clean 9-inch diameter glass dishes were set out at both sites at a height of approximately 7 feet to capture and retain settling dust. A personal sampling pump supplied by SKC, Inc. was used to vacuum any settled dust from the dishes during twice-weekly site visits. Vacuuming could not be performed when standing water was present. In those instances, the water was either dumped or allowed to evaporate, and vacuuming was performed at the next opportunity.



The vacuumed dust was collected onto 37-mm diameter, matched weight mixed cellulose ester (MCE) filter cassettes. The filters were recommended by the manufacturer for applications involving trace element analyses. The matched filter weights allow one to avoid filter pre-weighing. The total dust determination is made by simply weighing the two filters following sampling; the difference in their weights equals the mass of dust collected.

The glass dishes were vacuumed for the last time on March 28, 2010, and the cassettes were submitted to the MSE Laboratory for analysis. Both samples were weighed to determine the total amount of particulate collected. Samples having a sufficient net dust mass (≥ 1.0 mg) were analyzed for arsenic, cadmium, copper, lead and zinc.

2.2 Dustfall Samples

On January 1, 2010, clean 6.75 inch diameter by 8.75 inch tall Nalgene (polypropylene) dustfall jars were installed at both sites at a height of approximately 8 feet to capture and retain settling dust. The jars were de-contaminated by the laboratory prior to use by cleaning them with laboratory soap, then rinsing them with nitric acid



and deionized water. The jars were initially filled to a depth of 2 inches with deionized water (DI H₂O). The jars were inspected during twice-weekly site visits; DI H₂O was added as necessary to maintain a liquid level of at least an inch. At the end of the sampling period on March 28, 2010, the jars were covered with clean lids, and transported to the MSE laboratory for analysis. A Field Blank sample also was prepared by partially filling a clean dustfall jar with DI H₂O.

Additionally, a dry dustfall jar was installed at the Opportunity site, and no water was added during the sampling period. The purpose of that sample was to determine whether dry jars could be used during the insect season to obtain reasonable dustfall data. For reasons discussed in Section 6.2, those results are not being reported pending further investigation.

3. ANALYTICAL PROCEDURES

3.1 Settled Dust Samples

Following weighing, the filters and any particulate contents were digested using Method SW-846 3050B for soils, and analyzed for trace metals by ICP Mass Spectrometer (ICP-MS) using Method SW-846 6020A.

3.2 Dustfall Samples

After delivery to the laboratory, the dustfall jar contents were transferred into 2,000 ml beakers, and then were covered with watchglasses and evaporated in a convection oven at a temperature of 90 to 105°C. After the liquid evaporated down to approximately 100-200 ml, the contents were transferred to pre-weighed 200-mL beakers and evaporated to dryness. The beakers then were weighed to within 0.0001 grams to determine a net particulate residue weight.

The residue was digested using SW-846 Method 3050B for soils, and analyzed for trace metals by ICP Mass Spectrometer ICP-MS using Method SW-846 6020A.

4. ANALYTICAL RESULTS

Table 1 presents analytical results for the settled dust results, while Table 2 presents results for the dustfall samples. Table 3 summarizes the results, including comparisons of those obtained from the settled dust versus dustfall sampling procedures. Important findings are summarized in Section 5, and recommendations for future sampling are made in Section 6.

4.1 Settled Dust Samples

4.1.1 Filter Weights

The filters were weighed on an enclosed balance with a resolution of 0.0001 grams (0.1 mg). Results are shown in Section A of Table 1. The “Tare” filter weight is the weight of the unexposed matched weight filter, and the “Exposed” weight is the weight of the filter dust was collected on. The net dust weight was calculated as the difference between these values.

The Opportunity sample contained 25.5 mg of dust, versus 38.0 mg for the Warm Springs sample. Both dust masses were sufficient for trace element analyses.

4.1.2 Trace Element Results

The trace element results are presented in Section B of Table 1. The “Total” results represent the trace element concentrations in the exposed filter – which includes contributions from both the filter material and the collected dust. Field Blank results are shown in the column labeled “Blank,” and were consistent with previous data. The “Net” filter trace element concentrations were calculated by subtracting the blank values from the total values, and represent the average trace element concentrations throughout the filter based solely on contributions from the collected dust.

4.1.3 Trace Element Concentrations in Dust

The net trace element concentrations in Section B are for the entire exposed filter mass. Trace element concentrations in the collected dust were calculated using the net trace element results, the exposed filter weight and the collected dust weight. For the Opportunity sample, the net dust weight was 0.0255 grams, while the total weight of the exposed MCE filter was 0.0720 grams. The following example illustrates the calculation used to determine trace element concentrations in the collected dust:

- Concentration of arsenic over the entire exposed filter was 18.9 mg/kg. Therefore, the amount of arsenic present was $18.9 \text{ mg/kg} \times 0.0720 \text{ g}$, or $1.361 \times 10^{-3} \text{ mg}$.
- Because all of this net arsenic concentration was contained in the dust portion, the arsenic concentration in dust was $1.361 \times 10^{-3} \text{ mg} / 0.0255 \text{ g}$, or 53.4 mg/kg.

The concentrations of other trace elements in the dust were calculated in the same manner. Results are summarized in Section C of Table 1.

Disassembly and weighing of the filter cassettes proceeded smoothly for these samples, and no analytical issues were encountered.

4.2 Dustfall Samples

4.2.1 Trace Element Results

The raw trace element results are presented in Section A of Table 2. They show the trace element concentrations in the liquid as received by the laboratory, the volume of liquid initially evaporated, and the net weight of solids after evaporation.

The total trace element masses in each sample were calculated by multiplying the concentrations in the sample liquid by the volume of liquid as received by the laboratory. Those results are shown in Section B of Table 2.

4.2.2 Trace Element Concentrations in Dustfall Particulate

The trace element concentrations in the collected particulate were calculated by dividing the trace element masses by the total amount of particulate collected in each sample. Results are shown in Section C of Table 2.

4.2.3 Field Blank Results

Field Blank results for this sampling event are shown in Section A of Table 2. Additionally, the MSE Laboratory prepared a laboratory blank that was carried through the evaporation and analysis process. Trace levels of the COCs were reported from the Field Blank sample, but levels for arsenic, copper, lead and zinc were very low in comparison to the dustfall samples. The cadmium levels were very low for both the dustfall and Field Blank samples.

4.2.4 Calculation of Total Dustfall Rate

Dustfall is expressed in units of g/m²/month, and is calculated by dividing the mass of particulate collected by the cross-sectional area of the dustfall jar, and adjusting that result to account for the number of days the sample was actually collected over. With a diameter of 6.75 inches, the dustfall jars have a cross-sectional area of 35.78 in², or 0.0231 m². The calculated dustfall rates were as follows:

Sampling Period	Opportunity		Warm Springs	
	g/m ²	g/m ² /month (1)	g/m ²	g/m ² /month (1)
1/1/2010 – 3/28/2010	0.45	0.16	0.55	0.19
(1) Dustfall rate based on 30-day month.				

The values for the both samples are below the method's stated detection limit of 0.2 g/m²/month. The Montana settleable particulate (dustfall) standard is 10 g/m²/month.

5. SUMMARY

Table 3 compares the settled dust and dustfall results for both sites. Overall, results obtained from the two methods were fairly consistent.

5.1 Opportunity Site

At the Opportunity site, results for arsenic, cadmium, copper and lead were very similar for both methods. However, the zinc concentration for the dustfall sample was over twice that for the settled dust sample. Both the arsenic and lead results were somewhat lower than what was observed in prior sampling events, but still of the same magnitude.

Selected exposed filters from the ARCO South samplers at Opportunity are analyzed for arsenic and lead concentrations, in addition to PM10. Average concentrations of arsenic and lead for the ARCO samples were calculated for the first nine months of calendar year 2009 on a total mass basis. Using only those samples with a PM10 concentration of at least 10 µg/m³, a result of 108

mg/kg was obtained for arsenic, and 220 mg/kg for lead. Although the sampling methods and time intervals are much different, and the ARCO samplers collect only PM10 (rather than total particulate), the arsenic and lead concentrations found in the settled dust and dustfall samples were qualitatively similar to those calculated for the ARCO air samples.

5.2 Warm Springs Site

At the Warm Springs site, results for copper and lead were fairly similar for both methods. However, the arsenic, cadmium and zinc concentrations for the dustfall sample were noticeably higher than for the settled dust sample.

Both the arsenic and lead results were similar to what was observed in prior sampling events. The trace element concentrations for the settled dust sample were very similar to those for the Opportunity site.

6. RECOMMENDATIONS FOR FUTURE SAMPLING

6.1 Settled Dust Sampling

The settled dust sampling is providing consistent, reliable results, and will continue to be performed in the current manner. A set of duplicate settled dust samples will be collected at the Opportunity site during the summer of 2010, when ambient particulate levels are typically at their highest.

6.2 Dustfall Sampling

Since isopropyl alcohol is no longer being used in the dustfall jars, the sample collection cost is minimal. Therefore, dustfall samples will continue to be collected at both sites concurrent with the settled dust sampling events. Dustfall samples will be submitted for analysis only if they are free of insect and plant material that could compromise dust mass determinations.

It is believed that the presence of water in the dustfall jars attracts insects, which can subsequently become trapped. For the Opportunity sampling event discussed herein, one jar was prepared in the normal manner, while a second was installed with no water ("dry"). Results for the two jars indicated virtually identical dust retention, but the trace element results for the dry jar differed greatly from the normal jar, and so are not being reported pending further investigation. Dustfall jars prepared in the same manner for the period of March 28 – April 26, 2010 are currently being analyzed by the laboratory. Results for that set will be evaluated to determine whether discrepancies in the current analytical results can be attributed to differences in sample collection methodology, or to a potential contamination issue.

TABLE 1 - OPPORTUNITY / WARM SPRINGS SETTLED DUST SAMPLE RESULTS
(Sampling conducted 1-1-2010 through 3-28-2010)

A. Filter Weight Data

Opportunity Analyzed Filter Weight (g)	0.0720
Opportunity Tare Filter Weight (g)	0.0465
Opportunity Net Particulate Weight (g)	0.0255
Warm Springs Analyzed Filter Weight (g)	0.0889
Warm Springs Tare Filter Weight (g)	0.0509
Warm Springs Weight (g)	0.0380

B. Trace Element Results

Analyte	Opportunity			Warm Springs			Blank (1)
	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	
As	18.9	18.9	1.04	25.8	25.8	0.844	ND
Cd	0.967	0.967	0.069	1.41	1.41	0.056	ND
Cu	98.3	97.5	0.868	127	126	0.703	0.799
Pb	28.3	28.1	0.139	59.4	59.2	0.112	0.159
Zn	208	188	2.08	240	220	1.69	20.0

(1) Unexposed clean filter

C. Calculated Trace Element Concentrations in Particulate

Analyte	Opportunity			Warm Springs			(1) Reporting Limit (mg/kg)
	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	Reporting Limit (mg/kg)	Net Filter Conc. (mg/kg)	Net Particulate Conc. (mg/kg)	Reporting Limit (mg/kg)	
As	18.9	53.4	2.94	25.8	60.4	1.97	
Cd	0.967	2.73	0.195	1.41	3.30	0.131	
Cu	97.5	275	2.45	126	295	1.64	
Pb	28.1	79.5	0.392	59.2	139	0.262	
Zn	188	531	5.87	220	515	3.95	

(1) Reporting Limit adjusted to reflect mass of particulate collected

TABLE 2 -- SUMMARY OF OPPORTUNITY / WARM SPRINGS DUSTFALL RESULTS
(Samples collected from 1-1-2010 to 3-28-2010)

A. Analytical Results

Analyte	Opportunity (ug/L)	Warm Springs (ug/L)	Field Blank (ug/L)
As	1.04	1.68	0.075
Cd	0.056	0.150	0.145
Cu	4.61	4.93	0.393
Pb	1.36	2.53	0.075
Zn	20.3	17.1	1.88
Sample Volume (mL)	600	658	900
Solids Weight (mg)	10.4	12.7	2.0
Solids (mg/L)	17.3	19.3	2.2 (<MDL)
ND = Not Detected; NA = Not Applicable			

B. Trace Element Weight

Analyte	Opportunity Total (ug)	Warm Springs Total (ug)
As	0.624	1.11
Cd	0.034	0.099
Cu	2.77	3.24
Pb	0.816	1.66
Zn	12.2	11.3

C. Trace Element Concentrations in Particulate

Analyte	Opportunity mg/kg	Reporting Limit mg/kg	Warm Springs mg/kg	Reporting Limit mg/kg
As	60.0	7.21	87.0	5.91
Cd	3.23	0.481	7.77	0.394
Cu	266	6.01	255	4.92
Pb	78.5	0.962	131	0.787
Zn	1171	14.4	886	11.8

TABLE 3 – SUMMARY OF SETTLED DUST / DUSTFALL SAMPLING RESULTS

Analyte (mg/kg)	Opportunity		Warm Springs	
	Settled Dust	Dustfall	Settled Dust	Dustfall
As	53.4	60.0	60.4	87.0
Cd	2.73	3.23	3.30	7.77
Cu	275	266	295	255
Pb	79.5	78.5	139	131
Zn	531	1171	515	886
Dustfall Rate (g/m ² /month) (1)	N/A	0.16	N/A	0.19

(1) Based on 30-day month

Table 5
Opportunity Site Hourly Average Data
Met One E-BAM
April 2010

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/1/2010 1:00	4	0.8	1.8	245	-5.5	22.1	79	0.00
4/1/2010 2:00	10	1.7	3.8	252	-5.5	22.1	71	0.00
4/1/2010 3:00	-5	1.5	3.4	274	-6.2	20.8	72	0.00
4/1/2010 4:00	0	1.4	3.1	261	-6.6	20.1	72	0.00
4/1/2010 5:00	2	0.8	1.8	244	-6.6	20.1	74	0.00
4/1/2010 6:00	-1	1.6	3.6	276	-6.1	21.0	71	0.00
4/1/2010 7:00	8	0.8	1.8	215	-6.8	19.8	75	0.00
4/1/2010 8:00	1	0.6	1.3	116	-5.2	22.6	72	0.00
4/1/2010 9:00	13	1.3	2.9	24	-3.7	25.3	69	0.00
4/1/2010 10:00	7	2.5	5.6	24	-3.0	26.6	75	0.00
4/1/2010 11:00	-2	3.3	7.4	25	-1.6	29.1	71	0.00
4/1/2010 12:00	-2	3.6	8.1	37	0.3	32.5	61	0.00
4/1/2010 13:00	1	3.6	8.1	39	1.6	34.9	56	0.00
4/1/2010 14:00	7	3.9	8.7	31	2.9	37.2	47	0.00
4/1/2010 15:00	10	4.0	8.9	358	2.3	36.1	44	0.00
4/1/2010 16:00	1	2.2	4.9	269	1.2	34.2	53	0.00
4/1/2010 17:00	8	2.8	6.3	278	2.0	35.6	45	0.00
4/1/2010 18:00	-1	1.5	3.4	321	2.6	36.7	40	0.00
4/1/2010 19:00	3	1.9	4.3	296	1.6	34.9	46	0.00
4/1/2010 20:00	3	2.6	5.8	287	0.2	32.4	49	0.00
4/1/2010 21:00	5	2.2	4.9	309	-0.8	30.6	56	0.00
4/1/2010 22:00	-3	2.9	6.5	335	-1.1	30.0	58	0.00
4/1/2010 23:00	-1	2.2	4.9	310	-1.9	28.6	61	0.00
4/2/2010 0:00	0	2.2	4.9	301	-2.4	27.7	61	0.00
4/2/2010 1:00	5	1.3	2.9	278	-3.6	25.5	65	0.00
4/2/2010 2:00	9	1.5	3.4	236	-5.1	22.8	68	0.00
4/2/2010 3:00	0	1.1	2.5	175	-7.3	18.9	74	0.00
4/2/2010 4:00	-4	1.1	2.5	185	-7.6	18.3	74	0.00
4/2/2010 5:00	8	1.4	3.1	153	-8.0	17.6	74	0.00
4/2/2010 6:00	-5	1.5	3.4	163	-8.2	17.2	76	0.00
4/2/2010 7:00	9	1.5	3.4	184	-7.6	18.3	71	0.00
4/2/2010 8:00	4	2.2	4.9	162	-4.5	23.9	64	0.00
4/2/2010 9:00	2	2.9	6.5	157	-1.5	29.3	54	0.00
4/2/2010 10:00	0	2.3	5.1	160	0.4	32.7	46	0.00
4/2/2010 11:00	0	2.7	6.0	235	1.4	34.5	43	0.00
4/2/2010 12:00	2	3.1	6.9	227	3.5	38.3	36	0.00
4/2/2010 13:00	15	4.1	9.2	237	4.8	40.6	32	0.00
4/2/2010 14:00	12	5.0	11.2	237	5.7	42.3	27	0.00
4/2/2010 15:00	16	6.2	13.9	241	5.8	42.4	25	0.00
4/2/2010 16:00	12	7.0	15.7	241	4.5	40.1	31	0.00
4/2/2010 17:00	5	6.0	13.4	239	3.5	38.3	38	0.00
4/2/2010 18:00	4	5.1	11.4	236	2.6	36.7	45	0.00
4/2/2010 19:00	13	2.9	6.5	217	1.6	34.9	55	0.00
4/2/2010 20:00	14	2.3	5.1	201	0.5	32.9	65	0.00
4/2/2010 21:00	0	2.3	5.1	186	0.2	32.4	67	0.00
4/2/2010 22:00	2	2.2	4.9	211	0.2	32.4	64	0.00
4/2/2010 23:00	7	2.0	4.5	214	0.1	32.2	65	0.00
4/3/2010 0:00	2	1.7	3.8	213	-0.3	31.5	69	0.00
4/3/2010 1:00	2	0.9	2.0	206	-0.5	31.1	69	0.00
4/3/2010 2:00	0	0.8	1.8	202	-0.7	30.7	70	0.00
4/3/2010 3:00	19	3.3	7.4	276	-1.1	30.0	70	0.00
4/3/2010 4:00	23	2.0	4.5	24	-2.6	27.3	79	0.00
4/3/2010 5:00	-4	2.6	5.8	318	-1.8	28.8	66	0.00
4/3/2010 6:00	-2	2.3	5.1	320	-2.1	28.2	62	0.00
4/3/2010 7:00	2	3.3	7.4	297	-1.8	28.8	53	0.00
4/3/2010 8:00	-2	3.4	7.6	283	-1.7	28.9	54	0.00
4/3/2010 9:00	-2	3.7	8.3	277	-1.4	29.5	57	0.00
4/3/2010 10:00	1	4.4	9.8	280	-0.5	31.1	53	0.00
4/3/2010 11:00	0	4.9	11.0	279	0.8	33.4	41	0.00
4/3/2010 12:00	4	4.4	9.8	280	1.2	34.2	36	0.00
4/3/2010 13:00	1	4.0	8.9	282	1.6	34.9	35	0.00
4/3/2010 14:00	8	4.6	10.3	275	0.8	33.4	37	0.00
4/3/2010 15:00	3	4.8	10.7	279	1.5	34.7	37	0.00
4/3/2010 16:00	8	4.2	9.4	287	2.3	36.1	32	0.00
4/3/2010 17:00	1	4.8	10.7	270	2.7	36.9	25	0.00
4/3/2010 18:00	5	3.5	7.8	278	1.2	34.2	32	0.00
4/3/2010 19:00	6	2.4	5.4	248	-0.1	31.8	38	0.00
4/3/2010 20:00	0	1.8	4.0	257	-2.3	27.9	51	0.00
4/3/2010 21:00	6	1.1	2.5	215	-3.6	25.5	59	0.00
4/3/2010 22:00	6	1.3	2.9	194	-3.7	25.3	59	0.00
4/3/2010 23:00	-2	3.0	6.7	242	-3.8	25.2	60	0.00
4/4/2010 0:00	5	3.6	8.1	256	-4.0	24.8	60	0.00
4/4/2010 1:00	-3	2.6	5.8	247	-4.1	24.6	58	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/4/2010 2:00	-1	1.6	3.6	238	-4.9	23.2	59	0.00
4/4/2010 3:00	9	1.0	2.2	147	-6.2	20.8	67	0.00
4/4/2010 4:00	0	1.4	3.1	146	-5.8	21.6	67	0.00
4/4/2010 5:00	-2	1.6	3.6	198	-5.2	22.6	64	0.00
4/4/2010 6:00	-5	2.6	5.8	228	-5.5	22.1	63	0.00
4/4/2010 7:00	4	2.5	5.6	226	-5.8	21.6	62	0.00
4/4/2010 8:00	0	2.6	5.8	224	-3.8	25.2	54	0.00
4/4/2010 9:00	1	3.2	7.2	225	-2.0	28.4	46	0.00
4/4/2010 10:00	3	3.1	6.9	223	-0.2	31.6	39	0.00
4/4/2010 11:00	12	3.8	8.5	230	1.0	33.8	33	0.00
4/4/2010 12:00	3	4.0	8.9	230	2.2	36.0	27	0.00
4/4/2010 13:00	0	4.5	10.1	244	3.3	37.9	21	0.00
4/4/2010 14:00	12	3.7	8.3	187	4.4	39.9	23	0.00
4/4/2010 15:00	-1	1.8	4.0	147	4.9	40.8	23	0.00
4/4/2010 16:00	4	2.4	5.4	211	6.3	43.3	20	0.00
4/4/2010 17:00	11	2.5	5.6	242	6.2	43.2	21	0.00
4/4/2010 18:00	8	2.7	6.0	200	5.1	41.2	23	0.00
4/4/2010 19:00	14	2.6	5.8	164	3.5	38.3	31	0.00
4/4/2010 20:00	12	3.7	8.3	151	1.9	35.4	42	0.00
4/4/2010 21:00	12	3.4	7.6	154	1.3	34.3	48	0.00
4/4/2010 22:00	17	2.1	4.7	162	1.1	34.0	50	0.00
4/4/2010 23:00	7	1.6	3.6	151	0.6	33.1	51	0.00
4/5/2010 0:00	7	1.6	3.6	140	-0.4	31.3	56	0.00
4/5/2010 1:00	20	1.9	4.3	151	-0.7	30.7	58	0.00
4/5/2010 2:00	6	1.3	2.9	175	-2.7	27.1	63	0.00
4/5/2010 3:00	12	1.0	2.2	205	-3.5	25.7	63	0.00
4/5/2010 4:00	20	1.0	2.2	195	-4.2	24.4	65	0.00
4/5/2010 5:00	9	0.9	2.0	208	-4.3	24.3	64	0.00
4/5/2010 6:00	16	1.3	2.9	247	-5.2	22.6	66	0.00
4/5/2010 7:00	13	0.7	1.6	245	-5.8	21.6	67	0.00
4/5/2010 8:00	13	1.3	2.9	232	-2.4	27.7	60	0.00
4/5/2010 9:00	10	1.3	2.9	194	0.4	32.7	53	0.00
4/5/2010 10:00	39	1.3	2.9	94	1.8	35.2	50	0.00
4/5/2010 11:00	27	2.6	5.8	149	2.0	35.6	53	0.00
4/5/2010 12:00	17	2.0	4.5	180	1.3	34.3	64	0.00
4/5/2010 13:00	9	1.8	4.0	147	4.4	39.9	48	0.00
4/5/2010 14:00	16	1.7	3.8	185	6.3	43.3	41	0.00
4/5/2010 15:00	17	1.5	3.4	201	6.4	43.5	39	0.00
4/5/2010 16:00	17	1.6	3.6	132	8.1	46.6	36	0.00
4/5/2010 17:00	13	1.6	3.6	279	7.4	45.3	38	0.00
4/5/2010 18:00	10	2.5	5.6	302	5.3	41.5	51	0.00
4/5/2010 19:00	17	2.4	5.4	290	3.9	39.0	58	0.00
4/5/2010 20:00	13	2.4	5.4	271	3.0	37.4	64	0.00
4/5/2010 21:00	-5	2.8	6.3	272	2.4	36.3	70	0.00
4/5/2010 22:00	67	5.0	11.2	281	-0.7	30.7	86	0.01
4/5/2010 23:00	6	3.3	7.4	331	-1.4	29.5	87	0.00
4/6/2010 0:00	5	2.3	5.1	3	-2.0	28.4	87	0.00
4/6/2010 1:00	-3	1.9	4.3	338	-2.4	27.7	89	0.02
4/6/2010 2:00	22	3.0	6.7	303	-2.3	27.9	84	0.00
4/6/2010 3:00	-5	3.3	7.4	285	-2.3	27.9	69	0.00
4/6/2010 4:00	2	3.7	8.3	286	-2.3	27.9	66	0.00
4/6/2010 5:00	-5	3.3	7.4	306	-2.2	28.0	67	0.00
4/6/2010 6:00	15	2.1	4.7	350	-2.7	27.1	75	0.00
4/6/2010 7:00	-5	2.4	5.4	5	-3.1	26.4	77	0.00
4/6/2010 8:00	19	1.6	3.6	359	-2.6	27.3	75	0.00
4/6/2010 9:00	0	2.3	5.1	325	-0.8	30.6	65	0.00
4/6/2010 10:00	1	2.3	5.1	355	0.0	32.0	64	0.00
4/6/2010 11:00	0	3.9	8.7	284	1.6	34.9	55	0.00
4/6/2010 12:00	3	4.6	10.3	284	2.4	36.3	53	0.00
4/6/2010 13:00	1	4.4	9.8	291	3.0	37.4	48	0.00
4/6/2010 14:00	6	4.5	10.1	286	3.1	37.6	45	0.00
4/6/2010 15:00	13	3.2	7.2	311	3.7	38.7	47	0.00
4/6/2010 16:00	10	2.9	6.5	319	4.1	39.4	42	0.00
4/6/2010 17:00	-2	2.9	6.5	301	3.9	39.0	40	0.00
4/6/2010 18:00	1	3.5	7.8	294	3.7	38.7	40	0.00
4/6/2010 19:00	30	3.4	7.6	282	2.0	35.6	48	0.00
4/6/2010 20:00	2	0.9	2.0	287	-1.3	29.7	65	0.00
4/6/2010 21:00	-2	1.2	2.7	291	-1.1	30.0	60	0.00
4/6/2010 22:00	1	1.1	2.5	283	-1.7	28.9	58	0.00
4/6/2010 23:00	6	1.0	2.2	273	-2.6	27.3	58	0.00
4/7/2010 0:00	-4	1.4	3.1	245	-3.7	25.3	59	0.00
4/7/2010 1:00	5	1.3	2.9	194	-2.6	27.3	58	0.00
4/7/2010 2:00	-5	2.1	4.7	229	-2.3	27.9	60	0.00
4/7/2010 3:00	14	1.1	2.5	222	-2.8	27.0	63	0.00
4/7/2010 4:00	-5	1.6	3.6	215	-2.9	26.8	62	0.00
4/7/2010 5:00	5	2.6	5.8	232	-2.5	27.5	59	0.00
4/7/2010 6:00	4	2.3	5.1	216	-3.1	26.4	61	0.00
4/7/2010 7:00	1	2.1	4.7	208	-2.3	27.9	57	0.00
4/7/2010 8:00	7	3.9	8.7	232	-0.9	30.4	53	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/7/2010 9:00	3	3.9	8.7	228	0.4	32.7	49	0.00
4/7/2010 10:00	-4	4.9	11.0	234	1.7	35.1	46	0.00
4/7/2010 11:00	4	4.4	9.8	238	3.4	38.1	40	0.00
4/7/2010 12:00	3	3.3	7.4	240	4.1	39.4	39	0.00
4/7/2010 13:00	3	3.0	6.7	243	5.0	41.0	38	0.00
4/7/2010 14:00	1	3.3	7.4	229	6.7	44.1	35	0.00
4/7/2010 15:00	15	3.5	7.8	267	8.2	46.8	34	0.00
4/7/2010 16:00	23	4.2	9.4	292	9.1	48.4	34	0.00
4/7/2010 17:00	11	3.7	8.3	302	8.9	48.0	34	0.00
4/7/2010 18:00	10	3.5	7.8	298	8.4	47.1	36	0.00
4/7/2010 19:00	10	2.3	5.1	325	7.1	44.8	41	0.00
4/7/2010 20:00	10	1.5	3.4	347	3.7	38.7	55	0.00
4/7/2010 21:00	21	1.0	2.2	246	0.9	33.6	63	0.00
4/7/2010 22:00	23	1.0	2.2	186	-2.3	27.9	72	0.00
4/7/2010 23:00	7	1.0	2.2	196	-1.8	28.8	71	0.00
4/8/2010 0:00	11	1.3	2.9	192	0.1	32.2	65	0.00
4/8/2010 1:00	4	2.9	6.5	156	0.8	33.4	62	0.00
4/8/2010 2:00	2	3.4	7.6	156	0.9	33.6	61	0.00
4/8/2010 3:00	2	3.6	8.1	145	1.9	35.4	56	0.00
4/8/2010 4:00	6	3.8	8.5	145	2.1	35.8	54	0.00
4/8/2010 5:00	3	3.4	7.6	149	2.2	36.0	53	0.00
4/8/2010 6:00	-1	2.5	5.6	188	3.6	38.5	48	0.00
4/8/2010 7:00	12	1.7	3.8	206	3.5	38.3	48	0.00
4/8/2010 8:00	2	2.0	4.5	147	3.4	38.1	50	0.00
4/8/2010 9:00	5	2.5	5.6	123	6.2	43.2	41	0.00
4/8/2010 10:00	42	4.0	8.9	151	7.9	46.2	38	0.00
4/8/2010 11:00	36	3.9	8.7	173	9.6	49.3	34	0.00
4/8/2010 12:00	11	3.0	6.7	214	9.0	48.2	37	0.00
4/8/2010 13:00	122	7.3	16.3	271	1.6	34.9	75	0.00
4/8/2010 14:00	55	7.5	16.8	273	0.5	32.9	74	0.00
4/8/2010 15:00	47	7.8	17.4	263	1.6	34.9	47	0.00
4/8/2010 16:00	19	4.8	10.7	279	2.8	37.0	43	0.00
4/8/2010 17:00	55	6.1	13.6	281	1.0	33.8	49	0.00
4/8/2010 18:00	21	5.5	12.3	267	0.7	33.3	39	0.00
4/8/2010 19:00	24	5.1	11.4	267	-0.9	30.4	37	0.00
4/8/2010 20:00	3	3.4	7.6	279	-1.9	28.6	37	0.00
4/8/2010 21:00	11	4.6	10.3	261	-2.1	28.2	33	0.00
4/8/2010 22:00	6	3.8	8.5	257	-2.8	27.0	38	0.00
4/8/2010 23:00	6	2.7	6.0	296	-3.4	25.9	40	0.00
4/9/2010 0:00	9	1.7	3.8	231	-3.8	25.2	46	0.00
4/9/2010 1:00	6	2.1	4.7	222	-4.4	24.1	55	0.00
4/9/2010 2:00	10	1.1	2.5	203	-5.2	22.6	58	0.00
4/9/2010 3:00	16	2.6	5.8	235	-5.1	22.8	58	0.00
4/9/2010 4:00	-3	1.8	4.0	273	-5.8	21.6	58	0.00
4/9/2010 5:00	6	0.9	2.0	315	-7.2	19.0	61	0.00
4/9/2010 6:00	-5	1.0	2.2	246	-8.0	17.6	61	0.00
4/9/2010 7:00	3	1.9	4.3	221	-6.7	19.9	54	0.00
4/9/2010 8:00	0	3.1	6.9	228	-4.8	23.4	49	0.00
4/9/2010 9:00	0	3.9	8.7	227	-3.2	26.2	43	0.00
4/9/2010 10:00	3	3.3	7.4	229	-1.7	28.9	34	0.00
4/9/2010 11:00	1	2.8	6.3	215	-0.2	31.6	29	0.00
4/9/2010 12:00	0	3.1	6.9	211	1.0	33.8	27	0.00
4/9/2010 13:00	-1	3.8	8.5	219	2.0	35.6	27	0.00
4/9/2010 14:00	15	4.3	9.6	234	2.7	36.9	25	0.00
4/9/2010 15:00	8	3.4	7.6	225	3.1	37.6	24	0.00
4/9/2010 16:00	33	3.3	7.4	282	3.9	39.0	23	0.00
4/9/2010 17:00	27	3.6	8.1	294	4.0	39.2	24	0.00
4/9/2010 18:00	6	3.3	7.4	299	3.7	38.7	25	0.00
4/9/2010 19:00	4	2.6	5.8	286	2.0	35.6	29	0.00
4/9/2010 20:00	9	1.6	3.6	269	-0.2	31.6	35	0.00
4/9/2010 21:00	13	1.6	3.6	249	-1.2	29.8	39	0.00
4/9/2010 22:00	15	1.0	2.2	245	-2.1	28.2	42	0.00
4/9/2010 23:00	9	1.0	2.2	238	-4.0	24.8	50	0.00
4/10/2010 0:00	7	0.8	1.8	215	-6.0	21.2	58	0.00
4/10/2010 1:00	46	0.8	1.8	188	-8.6	16.5	68	0.00
4/10/2010 2:00	26	0.9	2.0	207	-8.9	16.0	70	0.00
4/10/2010 3:00	-5	0.9	2.0	218	-8.8	16.2	69	0.00
4/10/2010 4:00	18	0.9	2.0	227	-9.3	15.3	69	0.00
4/10/2010 5:00	-5	0.9	2.0	211	-10.5	13.1	74	0.00
4/10/2010 6:00	10	0.8	1.8	233	-10.7	12.7	74	0.00
4/10/2010 7:00	14	0.7	1.6	226	-9.0	15.8	68	0.00
4/10/2010 8:00	5	1.3	2.9	149	-4.9	23.2	57	0.00
4/10/2010 9:00	-5	0.9	2.0	214	-1.7	28.9	44	0.00
4/10/2010 10:00	9	1.1	2.5	67	0.9	33.6	38	0.00
4/10/2010 11:00	7	1.4	3.1	88	3.1	37.6	33	0.00
4/10/2010 12:00	7	1.8	4.0	68	5.7	42.3	26	0.00
4/10/2010 13:00	13	1.9	4.3	52	7.9	46.2	20	0.00
4/10/2010 14:00	2	2.0	4.5	29	9.2	48.6	18	0.00
4/10/2010 15:00	14	2.1	4.7	123	10.6	51.1	15	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/10/2010 16:00	7	2.0	4.5	107	10.8	51.4	15	0.00
4/10/2010 17:00	5	2.8	6.3	121	11.1	52.0	16	0.00
4/10/2010 18:00	11	2.8	6.3	109	10.3	50.5	17	0.00
4/10/2010 19:00	11	2.1	4.7	55	8.6	47.5	24	0.00
4/10/2010 20:00	18	1.2	2.7	32	6.1	43.0	34	0.00
4/10/2010 21:00	10	0.8	1.8	58	4.2	39.6	40	0.00
4/10/2010 22:00	39	1.0	2.2	229	2.5	36.5	46	0.00
4/10/2010 23:00	33	0.7	1.6	161	-0.4	31.3	58	0.00
4/11/2010 0:00	40	0.9	2.0	232	-1.4	29.5	62	0.00
4/11/2010 1:00	26	0.6	1.3	182	-1.9	28.6	65	0.00
4/11/2010 2:00	23	0.5	1.1	192	-1.2	29.8	65	0.00
4/11/2010 3:00	29	0.8	1.8	232	-1.0	30.2	66	0.00
4/11/2010 4:00	19	0.7	1.6	194	-0.6	30.9	67	0.00
4/11/2010 5:00	19	0.7	1.6	242	-0.9	30.4	68	0.00
4/11/2010 6:00	8	0.9	2.0	300	0.3	32.5	56	0.00
4/11/2010 7:00	22	0.6	1.3	236	0.7	33.3	55	0.00
4/11/2010 8:00	21	0.9	2.0	155	1.2	34.2	57	0.00
4/11/2010 9:00	17	1.6	3.6	19	1.6	34.9	43	0.00
4/11/2010 10:00	18	1.7	3.8	359	2.4	36.3	41	0.00
4/11/2010 11:00	38	1.9	4.3	2	3.9	39.0	40	0.00
4/11/2010 12:00	37	2.9	6.5	20	4.5	40.1	45	0.00
4/11/2010 13:00	31	3.1	6.9	23	4.8	40.6	50	0.00
4/11/2010 14:00	40	3.9	8.7	22	5.0	41.0	51	0.00
4/11/2010 15:00	26	3.1	6.9	12	5.7	42.3	47	0.00
4/11/2010 16:00	19	3.1	6.9	12	5.8	42.4	47	0.00
4/11/2010 17:00	19	3.3	7.4	14	5.2	41.4	49	0.00
4/11/2010 18:00	23	3.3	7.4	7	4.4	39.9	51	0.00
4/11/2010 19:00	11	2.5	5.6	14	3.3	37.9	55	0.00
4/11/2010 20:00	18	2.5	5.6	19	2.0	35.6	60	0.00
4/11/2010 21:00	12	2.3	5.1	19	1.1	34.0	62	0.00
4/11/2010 22:00	13	2.6	5.8	13	0.1	32.2	65	0.00
4/11/2010 23:00	10	1.3	2.9	22	-0.6	30.9	68	0.00
4/12/2010 0:00	4	0.6	1.3	7	-1.0	30.2	70	0.00
4/12/2010 1:00	2	0.9	2.0	32	-0.8	30.6	70	0.00
4/12/2010 2:00	7	0.6	1.3	181	-0.9	30.4	71	0.00
4/12/2010 3:00	14	0.5	1.1	194	-0.9	30.4	71	0.00
4/12/2010 4:00	18	0.7	1.6	323	-1.3	29.7	74	0.00
4/12/2010 5:00	13	0.7	1.6	233	-2.4	27.7	78	0.00
4/12/2010 6:00	30	0.4	0.9	258	-3.3	26.1	80	0.00
4/12/2010 7:00	30	0.6	1.3	238	-3.6	25.5	82	0.00
4/12/2010 8:00	51	0.5	1.1	163	-1.8	28.8	77	0.00
4/12/2010 9:00	35	1.1	2.5	67	0.4	32.7	66	0.00
4/12/2010 10:00	39	2.4	5.4	11	1.9	35.4	61	0.00
4/12/2010 11:00	39	2.5	5.6	5	3.9	39.0	52	0.00
4/12/2010 12:00	51	2.5	5.6	38	5.9	42.6	45	0.00
4/12/2010 13:00	41	2.9	6.5	48	6.9	44.4	45	0.00
4/12/2010 14:00	41	2.7	6.0	34	7.3	45.1	44	0.00
4/12/2010 15:00	43	2.9	6.5	30	8.0	46.4	43	0.00
4/12/2010 16:00	30	3.2	7.2	24	8.6	47.5	42	0.00
4/12/2010 17:00	38	3.9	8.7	16	8.2	46.8	44	0.00
4/12/2010 18:00	28	3.8	8.5	9	7.3	45.1	48	0.00
4/12/2010 19:00	45	3.8	8.5	25	5.2	41.4	55	0.00
4/12/2010 20:00	37	4.2	9.4	26	2.3	36.1	65	0.00
4/12/2010 21:00	22	2.5	5.6	21	1.3	34.3	70	0.00
4/12/2010 22:00	-3	2.6	5.8	23	0.4	32.7	77	0.00
4/12/2010 23:00	18	2.5	5.6	14	-0.3	31.5	79	0.00
4/13/2010 0:00	10	2.4	5.4	17	-0.2	31.6	79	0.00
4/13/2010 1:00	14	2.5	5.6	17	-0.5	31.1	81	0.00
4/13/2010 2:00	18	1.7	3.8	14	-0.4	31.3	80	0.00
4/13/2010 3:00	6	1.5	3.4	22	-0.4	31.3	80	0.00
4/13/2010 4:00	-5	1.6	3.6	14	-0.4	31.3	81	0.00
4/13/2010 5:00	25	2.6	5.8	16	-1.0	30.2	89	0.02
4/13/2010 6:00	8	3.1	6.9	0	-1.4	29.5	90	0.02
4/13/2010 7:00	12	3.5	7.8	4	-1.4	29.5	91	0.01
4/13/2010 8:00	17	3.5	7.8	10	-1.3	29.7	90	0.04
4/13/2010 9:00	15	2.9	6.5	15	-1.1	30.0	90	0.02
4/13/2010 10:00	23	2.5	5.6	4	-0.8	30.6	90	0.03
4/13/2010 11:00	22	2.1	4.7	12	-0.4	31.3	89	0.02
4/13/2010 12:00	9	1.2	2.7	346	-0.1	31.8	88	0.05
4/13/2010 13:00	-5	1.1	2.5	293	0.4	32.7	86	0.02
4/13/2010 14:00	8	1.4	3.1	23	1.0	33.8	81	0.01
4/13/2010 15:00	-1	1.6	3.6	328	1.1	34.0	83	0.00
4/13/2010 16:00	3	1.4	3.1	5	1.4	34.5	84	0.00
4/13/2010 17:00	-2	1.5	3.4	144	2.1	35.8	79	0.00
4/13/2010 18:00	9	1.7	3.8	199	2.1	35.8	76	0.00
4/13/2010 19:00	-5	3.3	7.4	230	2.0	35.6	72	0.00
4/13/2010 20:00	4	3.2	7.2	229	2.2	36.0	71	0.00
4/13/2010 21:00	-2	2.2	4.9	227	2.3	36.1	70	0.00
4/13/2010 22:00	3	2.7	6.0	232	2.5	36.5	69	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ($\mu\text{g}/\text{m}^3$)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/13/2010 23:00	2	1.2	2.7	222	2.3	36.1	70	0.00
4/14/2010 0:00	-2	1.0	2.2	113	2.1	35.8	73	0.00
4/14/2010 1:00	-5	1.5	3.4	348	2.3	36.1	69	0.00
4/14/2010 2:00	10	2.4	5.4	219	3.0	37.4	63	0.00
4/14/2010 3:00	0	2.9	6.5	226	2.6	36.7	64	0.00
4/14/2010 4:00	2	2.2	4.9	217	2.6	36.7	63	0.00
4/14/2010 5:00	-2	2.3	5.1	212	2.5	36.5	62	0.00
4/14/2010 6:00	-5	3.9	8.7	221	2.1	35.8	61	0.00
4/14/2010 7:00	0	5.0	11.2	233	1.9	35.4	61	0.00
4/14/2010 8:00	2	1.9	4.3	222	2.3	36.1	58	0.00
4/14/2010 9:00	0	5.0	11.2	238	3.6	38.5	54	0.00
4/14/2010 10:00	3	5.5	12.3	233	4.9	40.8	51	0.00
4/14/2010 11:00	4	5.5	12.3	241	5.7	42.3	49	0.00
4/14/2010 12:00	3	3.9	8.7	258	6.7	44.1	49	0.00
4/14/2010 13:00	6	3.3	7.4	262	8.0	46.4	48	0.00
4/14/2010 14:00	29	3.9	8.7	284	9.3	48.7	42	0.00
4/14/2010 15:00	34	4.4	9.8	298	10.2	50.4	37	0.00
4/14/2010 16:00	67	4.0	8.9	299	10.8	51.4	35	0.00
4/14/2010 17:00	24	3.0	6.7	308	11.2	52.2	34	0.00
4/14/2010 18:00	18	2.6	5.8	322	10.9	51.6	36	0.00
4/14/2010 19:00	6	3.8	8.5	24	8.7	47.7	47	0.00
4/14/2010 20:00	13	1.8	4.0	349	5.9	42.6	58	0.00
4/14/2010 21:00	9	1.5	3.4	245	3.3	37.9	65	0.00
4/14/2010 22:00	10	0.8	1.8	206	0.6	33.1	74	0.00
4/14/2010 23:00	13	0.9	2.0	230	-0.5	31.1	76	0.00
4/15/2010 0:00	12	0.7	1.6	219	-1.6	29.1	81	0.00
4/15/2010 1:00	17	0.7	1.6	225	-1.9	28.6	81	0.00
4/15/2010 2:00	18	0.7	1.6	217	-2.6	27.3	85	0.00
4/15/2010 3:00	-5	0.8	1.8	207	-2.1	28.2	83	0.00
4/15/2010 4:00	2	0.8	1.8	228	-3.1	26.4	85	0.00
4/15/2010 5:00	7	0.6	1.3	212	-2.6	27.3	84	0.00
4/15/2010 6:00	8	0.9	2.0	184	-2.6	27.3	85	0.00
4/15/2010 7:00	7	1.0	2.2	178	-1.8	28.8	81	0.00
4/15/2010 8:00	12	1.6	3.6	155	2.0	35.6	69	0.00
4/15/2010 9:00	1	1.2	2.7	160	5.7	42.3	56	0.00
4/15/2010 10:00	16	1.4	3.1	186	8.1	46.6	40	0.00
4/15/2010 11:00	11	2.6	5.8	163	9.9	49.8	35	0.00
4/15/2010 12:00	8	3.1	6.9	143	11.9	53.4	28	0.00
4/15/2010 13:00	8	3.2	7.2	121	12.8	55.0	28	0.00
4/15/2010 14:00	10	3.2	7.2	108	13.7	56.7	29	0.00
4/15/2010 15:00	9	4.0	8.9	118	14.5	58.1	27	0.00
4/15/2010 16:00	4	3.4	7.6	130	15.1	59.2	22	0.00
4/15/2010 17:00	9	2.7	6.0	128	15.0	59.0	23	0.00
4/15/2010 18:00	15	3.3	7.4	16	13.3	55.9	32	0.00
4/15/2010 19:00	14	1.9	4.3	80	11.6	52.9	36	0.00
4/15/2010 20:00	18	0.7	1.6	199	9.4	48.9	42	0.00
4/15/2010 21:00	15	0.8	1.8	247	6.1	43.0	50	0.00
4/15/2010 22:00	11	1.1	2.5	228	5.8	42.4	52	0.00
4/15/2010 23:00	19	0.8	1.8	256	2.6	36.7	63	0.00
4/16/2010 0:00	3	1.1	2.5	227	0.3	32.5	72	0.00
4/16/2010 1:00	25	1.1	2.5	199	-0.7	30.7	74	0.00
4/16/2010 2:00	13	0.6	1.3	244	-2.6	27.3	80	0.00
4/16/2010 3:00	3	0.7	1.6	189	-2.8	27.0	80	0.00
4/16/2010 4:00	27	1.0	2.2	197	-2.6	27.3	79	0.00
4/16/2010 5:00	-5	1.2	2.7	219	-2.9	26.8	80	0.00
4/16/2010 6:00	17	1.3	2.9	235	-1.6	29.1	75	0.00
4/16/2010 7:00	4	1.1	2.5	224	1.3	34.3	66	0.00
4/16/2010 8:00	3	1.5	3.4	216	4.4	39.9	58	0.00
4/16/2010 9:00	12	2.6	5.8	174	8.5	47.3	46	0.00
4/16/2010 10:00	7	3.6	8.1	145	11.7	53.1	36	0.00
4/16/2010 11:00	4	3.8	8.5	144	13.8	56.8	32	0.00
4/16/2010 12:00	14	4.5	10.1	130	15.7	60.3	29	0.00
4/16/2010 13:00	15	5.4	12.1	130	16.9	62.4	27	0.00
4/16/2010 14:00	6	5.4	12.1	127	18.1	64.6	22	0.00
4/16/2010 15:00	18	5.3	11.9	136	19.1	66.4	18	0.00
4/16/2010 16:00	16	5.1	11.4	148	18.3	64.9	19	0.00
4/16/2010 17:00	22	4.2	9.4	153	17.5	63.5	21	0.00
4/16/2010 18:00	11	3.6	8.1	146	16.7	62.1	24	0.00
4/16/2010 19:00	18	2.7	6.0	145	15.6	60.1	29	0.00
4/16/2010 20:00	22	1.2	2.7	219	12.1	53.8	41	0.00
4/16/2010 21:00	32	1.7	3.8	193	11.5	52.7	44	0.00
4/16/2010 22:00	20	1.6	3.6	188	11.0	51.8	45	0.00
4/16/2010 23:00	23	1.4	3.1	220	9.4	48.9	49	0.00
4/17/2010 0:00	19	1.3	2.9	227	8.6	47.5	51	0.00
4/17/2010 1:00	12	1.3	2.9	243	7.8	46.0	54	0.00
4/17/2010 2:00	12	1.2	2.7	218	6.7	44.1	56	0.00
4/17/2010 3:00	23	1.4	3.1	180	6.0	42.8	61	0.00
4/17/2010 4:00	13	1.5	3.4	191	5.9	42.6	62	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/17/2010 5:00	18	1.1	2.5	151	5.5	41.9	62	0.00
4/17/2010 6:00	26	0.9	2.0	161	3.5	38.3	69	0.00
4/17/2010 7:00	7	1.1	2.5	210	2.4	36.3	72	0.00
4/17/2010 8:00	8	2.1	4.7	158	6.5	43.7	61	0.00
4/17/2010 9:00	19	2.5	5.6	162	9.6	49.3	51	0.00
4/17/2010 10:00	22	2.8	6.3	198	12.8	55.0	43	0.00
4/17/2010 11:00	32	5.2	11.6	229	13.0	55.4	45	0.00
4/17/2010 12:00	23	5.7	12.8	236	12.8	55.0	48	0.00
4/17/2010 13:00	15	4.4	9.8	247	13.2	55.8	47	0.00
4/17/2010 14:00	11	3.4	7.6	269	13.9	57.0	45	0.00
4/17/2010 15:00	9	1.6	3.6	160	15.2	59.4	36	0.00
4/17/2010 16:00	13	2.5	5.6	309	16.5	61.7	33	0.00
4/17/2010 17:00	15	3.2	7.2	329	15.3	59.5	35	0.00
4/17/2010 18:00	1	4.5	10.1	8	14.5	58.1	41	0.00
4/17/2010 19:00	12	3.3	7.4	3	13.3	55.9	46	0.00
4/17/2010 20:00	18	1.2	2.7	246	10.3	50.5	57	0.00
4/17/2010 21:00	35	0.8	1.8	233	7.0	44.6	67	0.00
4/17/2010 22:00	18	1.4	3.1	206	5.5	41.9	71	0.00
4/17/2010 23:00	4	1.1	2.5	243	3.7	38.7	76	0.00
4/18/2010 0:00	25	0.8	1.8	174	2.7	36.9	79	0.00
4/18/2010 1:00	16	1.2	2.7	238	1.7	35.1	82	0.00
4/18/2010 2:00	7	0.6	1.3	178	0.3	32.5	85	0.00
4/18/2010 3:00	19	0.9	2.0	203	0.2	32.4	85	0.00
4/18/2010 4:00	1	1.0	2.2	195	0.2	32.4	84	0.00
4/18/2010 5:00	-5	0.9	2.0	207	-0.8	30.6	86	0.00
4/18/2010 6:00	8	1.1	2.5	216	-0.3	31.5	85	0.00
4/18/2010 7:00	27	1.4	3.1	186	1.7	35.1	78	0.00
4/18/2010 8:00	0	1.9	4.3	156	5.5	41.9	68	0.00
4/18/2010 9:00	11	2.0	4.5	63	7.8	46.0	64	0.00
4/18/2010 10:00	13	1.6	3.6	5	9.4	48.9	57	0.00
4/18/2010 11:00	7	1.3	2.9	10	12.5	54.5	45	0.00
4/18/2010 12:00	5	1.6	3.6	36	13.7	56.7	38	0.00
4/18/2010 13:00	12	2.2	4.9	180	16.3	61.3	25	0.00
4/18/2010 14:00	21	2.4	5.4	275	16.5	61.7	24	0.00
4/18/2010 15:00	26	2.4	5.4	250	16.9	62.4	22	0.00
4/18/2010 16:00	12	2.1	4.7	273	17.4	63.3	21	0.00
4/18/2010 17:00	14	2.0	4.5	273	17.1	62.8	22	0.00
4/18/2010 18:00	10	3.6	8.1	12	15.2	59.4	31	0.00
4/18/2010 19:00	19	3.3	7.4	11	13.9	57.0	33	0.00
4/18/2010 20:00	19	1.5	3.4	335	10.8	51.4	43	0.00
4/18/2010 21:00	22	1.3	2.9	237	8.1	46.6	51	0.00
4/18/2010 22:00	17	0.9	2.0	244	5.3	41.5	60	0.00
4/18/2010 23:00	17	0.9	2.0	191	3.5	38.3	66	0.00
4/19/2010 0:00	21	1.2	2.7	210	1.9	35.4	70	0.00
4/19/2010 1:00	-3	1.0	2.2	202	1.3	34.3	72	0.00
4/19/2010 2:00	-4	0.9	2.0	226	0.1	32.2	76	0.00
4/19/2010 3:00	31	1.0	2.2	219	-0.7	30.7	77	0.00
4/19/2010 4:00	11	0.8	1.8	193	-1.1	30.0	79	0.00
4/19/2010 5:00	-5	0.8	1.8	229	-2.1	28.2	82	0.00
4/19/2010 6:00	9	0.9	2.0	196	-1.8	28.8	81	0.00
4/19/2010 7:00	21	1.2	2.7	180	0.1	32.2	72	0.00
4/19/2010 8:00	3	1.7	3.8	161	4.8	40.6	61	0.00
4/19/2010 9:00	5	1.7	3.8	153	9.6	49.3	46	0.00
4/19/2010 10:00	31	1.1	2.5	139	13.2	55.8	34	0.00
4/19/2010 11:00	16	1.6	3.6	60	15.4	59.7	29	0.00
4/19/2010 12:00	22	1.6	3.6	360	17.2	63.0	26	0.00
4/19/2010 13:00	17	2.2	4.9	349	18.2	64.8	23	0.00
4/19/2010 14:00	13	2.1	4.7	17	19.3	66.7	21	0.00
4/19/2010 15:00	17	2.1	4.7	84	20.5	68.9	18	0.00
4/19/2010 16:00	8	1.6	3.6	64	20.8	69.4	16	0.00
4/19/2010 17:00	16	2.1	4.7	57	21.0	69.8	16	0.00
4/19/2010 18:00	10	2.9	6.5	20	20.3	68.5	15	0.00
4/19/2010 19:00	17	2.7	6.0	356	18.5	65.3	20	0.00
4/19/2010 20:00	26	1.7	3.8	335	14.5	58.1	33	0.00
4/19/2010 21:00	30	0.9	2.0	236	10.4	50.7	45	0.00
4/19/2010 22:00	27	0.8	1.8	202	5.3	41.5	61	0.00
4/19/2010 23:00	13	0.9	2.0	204	3.7	38.7	66	0.00
4/20/2010 0:00	17	0.9	2.0	220	3.0	37.4	67	0.00
4/20/2010 1:00	3	1.1	2.5	230	2.5	36.5	69	0.00
4/20/2010 2:00	-5	0.7	1.6	210	1.2	34.2	74	0.00
4/20/2010 3:00	26	0.7	1.6	218	0.2	32.4	78	0.00
4/20/2010 4:00	4	0.9	2.0	211	-0.3	31.5	81	0.00
4/20/2010 5:00	-1	0.5	1.1	208	-1.3	29.7	83	0.00
4/20/2010 6:00	9	1.0	2.2	240	-1.2	29.8	84	0.00
4/20/2010 7:00	25	0.7	1.6	214	1.6	34.9	76	0.00
4/20/2010 8:00	9	1.2	2.7	211	7.8	46.0	61	0.00
4/20/2010 9:00	28	2.3	5.1	173	12.7	54.9	47	0.00
4/20/2010 10:00	31	3.7	8.3	129	15.8	60.4	39	0.00
4/20/2010 11:00	20	3.7	8.3	141	17.4	63.3	34	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/20/2010 12:00	38	4.0	8.9	142	19.3	66.7	28	0.00
4/20/2010 13:00	21	3.8	8.5	147	21.1	70.0	23	0.00
4/20/2010 14:00	30	4.0	8.9	130	22.1	71.8	22	0.00
4/20/2010 15:00	23	4.4	9.8	127	22.9	73.2	20	0.00
4/20/2010 16:00	19	3.5	7.8	115	22.6	72.7	17	0.00
4/20/2010 17:00	26	3.8	8.5	129	22.5	72.5	18	0.00
4/20/2010 18:00	47	4.7	10.5	130	21.2	70.2	21	0.00
4/20/2010 19:00	49	3.9	8.7	131	18.7	65.7	29	0.00
4/20/2010 20:00	59	1.7	3.8	183	15.8	60.4	35	0.00
4/20/2010 21:00	62	1.4	3.1	216	13.3	55.9	46	0.00
4/20/2010 22:00	44	1.9	4.3	182	12.9	55.2	50	0.00
4/20/2010 23:00	36	1.4	3.1	199	11.6	52.9	54	0.00
4/21/2010 0:00	26	1.0	2.2	161	9.8	49.6	58	0.00
4/21/2010 1:00	23	0.7	1.6	212	7.9	46.2	63	0.00
4/21/2010 2:00	15	1.0	2.2	215	5.8	42.4	70	0.00
4/21/2010 3:00	20	1.2	2.7	243	4.8	40.6	72	0.00
4/21/2010 4:00	-2	1.0	2.2	188	2.5	36.5	78	0.00
4/21/2010 5:00	39	1.2	2.7	228	2.9	37.2	77	0.00
4/21/2010 6:00	-5	0.7	1.6	247	1.0	33.8	83	0.00
4/21/2010 7:00	38	1.0	2.2	237	2.4	36.3	79	0.00
4/21/2010 8:00	16	0.9	2.0	166	6.4	43.5	68	0.00
4/21/2010 9:00	20	1.9	4.3	139	12.7	54.9	49	0.00
4/21/2010 10:00	17	2.3	5.1	103	15.6	60.1	40	0.00
4/21/2010 11:00	18	1.9	4.3	48	17.0	62.6	36	0.00
4/21/2010 12:00	41	1.7	3.8	169	18.4	65.1	31	0.00
4/21/2010 13:00	BA	1.9	4.3	73	19.4	66.9	30	0.00
4/21/2010 14:00	BA	BA	BA	BA	20.5	68.9	30	0.00
4/21/2010 15:00	30	4.0	8.9	AM	21.1	70.0	29	0.00
4/21/2010 16:00	30	4.0	8.9	AM	21.5	70.7	28	0.00
4/21/2010 17:00	33	3.3	7.4	AM	21.0	69.8	26	0.00
4/21/2010 18:00	19	3.1	6.9	AM	19.1	66.4	32	0.00
4/21/2010 19:00	19	2.7	6.0	AM	18.2	64.8	35	0.00
4/21/2010 20:00	24	1.7	3.8	AM	15.9	60.6	44	0.00
4/21/2010 21:00	21	3.3	7.4	AM	14.3	57.7	53	0.00
4/21/2010 22:00	99	3.9	8.7	AM	13.3	55.9	55	0.00
4/21/2010 23:00	17	4.0	8.9	AM	10.9	51.6	62	0.00
4/22/2010 0:00	20	3.3	7.4	AM	10.4	50.7	63	0.00
4/22/2010 1:00	4	2.3	5.1	AM	10.3	50.5	65	0.00
4/22/2010 2:00	11	3.6	8.1	AM	9.5	49.1	68	0.00
4/22/2010 3:00	19	1.4	3.1	AM	8.0	46.4	74	0.00
4/22/2010 4:00	5	1.4	3.1	AM	7.1	44.8	76	0.00
4/22/2010 5:00	2	0.6	1.3	AM	5.4	41.7	82	0.00
4/22/2010 6:00	10	1.1	2.5	AM	4.7	40.5	84	0.00
4/22/2010 7:00	19	0.9	2.0	AM	6.1	43.0	77	0.00
4/22/2010 8:00	15	1.7	3.8	AM	9.0	48.2	70	0.00
4/22/2010 9:00	8	2.8	6.3	AM	10.5	50.9	66	0.00
4/22/2010 10:00	6	2.7	6.0	AM	11.3	52.3	64	0.00
4/22/2010 11:00	18	3.2	7.2	AM	12.7	54.9	61	0.00
4/22/2010 12:00	22	3.4	7.6	AM	14.6	58.3	54	0.00
4/22/2010 13:00	24	4.5	10.1	AM	16.3	61.3	48	0.00
4/22/2010 14:00	49	4.6	10.3	AM	15.6	60.1	51	0.00
4/22/2010 15:00	56	5.9	13.2	AM	16.1	61.0	49	0.00
4/22/2010 16:00	68	7.1	15.9	AM	12.4	54.3	59	0.00
4/22/2010 17:00	49	6.5	14.5	AM	11.5	52.7	59	0.00
4/22/2010 18:00	16	6.1	13.6	AM	10.8	51.4	61	0.00
4/22/2010 19:00	16	5.6	12.5	AM	9.4	48.9	64	0.00
4/22/2010 20:00	3	5.2	11.6	AM	8.6	47.5	65	0.00
4/22/2010 21:00	15	4.5	10.1	AM	8.2	46.8	64	0.00
4/22/2010 22:00	-5	4.5	10.1	AM	7.8	46.0	64	0.00
4/22/2010 23:00	8	3.7	8.3	AM	7.7	45.9	64	0.00
4/23/2010 0:00	-1	4.5	10.1	AM	7.0	44.6	62	0.00
4/23/2010 1:00	7	3.7	8.3	AM	6.0	42.8	59	0.00
4/23/2010 2:00	4	3.6	8.1	AM	5.1	41.2	62	0.00
4/23/2010 3:00	3	3.8	8.5	AM	4.5	40.1	60	0.00
4/23/2010 4:00	15	2.3	5.1	AM	3.5	38.3	60	0.00
4/23/2010 5:00	24	1.3	2.9	AM	1.6	34.9	64	0.00
4/23/2010 6:00	29	1.5	3.4	AM	0.7	33.3	67	0.00
4/23/2010 7:00	18	2.0	4.5	AM	2.5	36.5	62	0.00
4/23/2010 8:00	45	4.7	10.5	AM	5.0	41.0	50	0.00
4/23/2010 9:00	29	5.0	11.2	AM	6.0	42.8	42	0.00
4/23/2010 10:00	23	4.7	10.5	AM	6.8	44.2	38	0.00
4/23/2010 11:00	26	5.3	11.9	AM	7.7	45.9	36	0.00
4/23/2010 12:00	17	5.8	13.0	AM	8.9	48.0	33	0.00
4/23/2010 13:00	23	3.5	7.8	AM	10.5	50.9	28	0.00
4/23/2010 14:00	12	3.2	7.2	AM	11.6	52.9	26	0.00
4/23/2010 15:00	5	4.8	10.7	AM	12.1	53.8	23	0.00
4/23/2010 16:00	11	4.7	10.5	AM	12.5	54.5	22	0.00
4/23/2010 17:00	8	4.7	10.5	AM	12.5	54.5	23	0.00
4/23/2010 18:00	4	3.5	7.8	AM	12.1	53.8	24	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/23/2010 19:00	7	3.4	7.6	AM	10.7	51.3	28	0.00
4/23/2010 20:00	12	2.4	5.4	AM	8.4	47.1	36	0.00
4/23/2010 21:00	8	1.5	3.4	AM	6.6	43.9	41	0.00
4/23/2010 22:00	9	1.0	2.2	AM	4.2	39.6	48	0.00
4/23/2010 23:00	16	1.3	2.9	AM	2.6	36.7	51	0.00
4/24/2010 0:00	23	1.2	2.7	AM	-0.3	31.5	60	0.00
4/24/2010 1:00	4	1.2	2.7	AM	-2.0	28.4	67	0.00
4/24/2010 2:00	21	0.8	1.8	AM	-2.6	27.3	70	0.00
4/24/2010 3:00	16	1.2	2.7	AM	-1.1	30.0	66	0.00
4/24/2010 4:00	11	1.3	2.9	AM	-0.5	31.1	63	0.00
4/24/2010 5:00	11	1.6	3.6	AM	0.9	33.6	59	0.00
4/24/2010 6:00	20	1.6	3.6	AM	2.8	37.0	54	0.00
4/24/2010 7:00	12	1.7	3.8	AM	4.7	40.5	49	0.00
4/24/2010 8:00	10	2.3	5.1	AM	6.5	43.7	44	0.00
4/24/2010 9:00	59	2.6	5.8	AM	9.4	48.9	36	0.00
4/24/2010 10:00	51	4.0	8.9	AM	10.3	50.5	34	0.00
4/24/2010 11:00	20	4.9	11.0	AM	10.7	51.3	35	0.00
4/24/2010 12:00	32	3.7	8.3	AM	12.0	53.6	33	0.00
4/24/2010 13:00	13	3.7	8.3	AM	12.7	54.9	33	0.00
4/24/2010 14:00	7	3.7	8.3	AM	11.9	53.4	36	0.00
4/24/2010 15:00	20	5.5	12.3	AM	11.7	53.1	34	0.00
4/24/2010 16:00	49	6.5	14.5	AM	11.2	52.2	36	0.00
4/24/2010 17:00	7	5.5	12.3	AM	10.1	50.2	38	0.00
4/24/2010 18:00	6	4.4	9.8	AM	8.0	46.4	43	0.00
4/24/2010 19:00	17	3.7	8.3	AM	6.4	43.5	46	0.00
4/24/2010 20:00	0	3.7	8.3	AM	5.0	41.0	48	0.00
4/24/2010 21:00	10	3.8	8.5	AM	3.7	38.7	53	0.00
4/24/2010 22:00	10	4.1	9.2	AM	2.8	37.0	51	0.00
4/24/2010 23:00	5	3.8	8.5	AM	2.3	36.1	46	0.00
4/25/2010 0:00	32	3.1	6.9	AM	1.7	35.1	43	0.00
4/25/2010 1:00	-5	2.6	5.8	AM	0.9	33.6	44	0.00
4/25/2010 2:00	14	2.0	4.5	AM	0.3	32.5	45	0.00
4/25/2010 3:00	8	1.2	2.7	AM	-0.4	31.3	46	0.00
4/25/2010 4:00	14	1.6	3.6	AM	-0.8	30.6	52	0.00
4/25/2010 5:00	4	2.7	6.0	AM	-1.3	29.7	69	0.00
4/25/2010 6:00	-3	3.4	7.6	AM	-2.3	27.9	75	0.00
4/25/2010 7:00	29	2.2	4.9	AM	-1.6	29.1	71	0.00
4/25/2010 8:00	-5	2.4	5.4	AM	0.7	33.3	58	0.00
4/25/2010 9:00	3	4.1	9.2	AM	2.4	36.3	48	0.00
4/25/2010 10:00	6	3.0	6.7	AM	3.5	38.3	42	0.00
4/25/2010 11:00	-5	3.6	8.1	AM	5.2	41.4	36	0.00
4/25/2010 12:00	3	3.9	8.7	AM	4.7	40.5	42	0.00
4/25/2010 13:00	10	2.9	6.5	AM	5.5	41.9	34	0.00
4/25/2010 14:00	7	3.6	8.1	AM	6.1	43.0	33	0.00
4/25/2010 15:00	8	3.8	8.5	AM	6.5	43.7	33	0.00
4/25/2010 16:00	8	3.2	7.2	AM	5.8	42.4	36	0.00
4/25/2010 17:00	4	2.7	6.0	AM	5.8	42.4	34	0.00
4/25/2010 18:00	3	2.6	5.8	AM	5.3	41.5	37	0.00
4/25/2010 19:00	7	2.9	6.5	AM	5.2	41.4	36	0.00
4/25/2010 20:00	3	2.0	4.5	AM	3.3	37.9	47	0.00
4/25/2010 21:00	8	0.9	2.0	AM	0.0	32.0	57	0.00
4/25/2010 22:00	20	0.6	1.3	AM	-2.2	28.0	65	0.00
4/25/2010 23:00	12	1.3	2.9	AM	-2.3	27.9	66	0.00
4/26/2010 0:00	1	1.0	2.2	AM	-2.9	26.8	67	0.00
4/26/2010 1:00	36	0.8	1.8	AM	-4.5	23.9	72	0.00
4/26/2010 2:00	11	0.6	1.3	AM	-6.0	21.2	75	0.00
4/26/2010 3:00	-4	0.9	2.0	AM	-5.9	21.4	76	0.00
4/26/2010 4:00	12	0.7	1.6	AM	-6.7	19.9	76	0.00
4/26/2010 5:00	6	0.6	1.3	AM	-6.7	19.9	78	0.00
4/26/2010 6:00	22	0.8	1.8	AM	-6.1	21.0	77	0.00
4/26/2010 7:00	3	1.0	2.2	AM	-2.6	27.3	67	0.00
4/26/2010 8:00	10	1.6	3.6	AM	-0.5	31.1	59	0.00
4/26/2010 9:00	41	2.2	4.9	AM	3.7	38.7	43	0.00
4/26/2010 10:00	36	2.2	4.9	AM	7.3	45.1	34	0.00
4/26/2010 11:00	15	2.1	4.7	AM	8.8	47.8	31	0.00
4/26/2010 12:00	26	2.2	4.9	AM	10.4	50.7	28	0.00
4/26/2010 13:00	7	2.7	6.0	AM	11.6	52.9	27	0.00
4/26/2010 14:00	23	2.7	6.0	AM	12.2	54.0	26	0.00
4/26/2010 15:00	14	2.5	5.6	AM	13.2	55.8	26	0.00
4/26/2010 16:00	11	1.3	2.9	AM	14.0	57.2	24	0.00
4/26/2010 17:00	17	1.5	3.4	135	14.8	58.6	23	0.00
4/26/2010 18:00	21	1.4	3.1	164	14.6	58.3	23	0.00
4/26/2010 19:00	25	1.6	3.6	139	12.7	54.9	29	0.00
4/26/2010 20:00	40	0.7	1.6	131	10.3	50.5	36	0.00
4/26/2010 21:00	40	1.4	3.1	178	9.2	48.6	39	0.00
4/26/2010 22:00	40	1.5	3.4	207	7.6	45.7	43	0.00
4/26/2010 23:00	23	1.2	2.7	233	6.4	43.5	47	0.00
4/27/2010 0:00	18	1.0	2.2	228	4.7	40.5	52	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/27/2010 1:00	25	1.3	2.9	184	4.2	39.6	55	0.00
4/27/2010 2:00	21	1.6	3.6	210	6.4	43.5	49	0.00
4/27/2010 3:00	20	1.4	3.1	210	6.7	44.1	49	0.00
4/27/2010 4:00	23	1.7	3.8	175	7.1	44.8	48	0.00
4/27/2010 5:00	4	1.4	3.1	140	7.8	46.0	45	0.00
4/27/2010 6:00	12	1.1	2.5	22	7.1	44.8	47	0.00
4/27/2010 7:00	51	1.9	4.3	189	8.4	47.1	44	0.00
4/27/2010 8:00	72	3.0	6.7	164	9.9	49.8	42	0.00
4/27/2010 9:00	80	3.9	8.7	158	12.0	53.6	37	0.00
4/27/2010 10:00	255	6.4	14.3	147	14.4	57.9	31	0.00
4/27/2010 11:00	176	5.8	13.0	152	15.0	59.0	29	0.00
4/27/2010 12:00	73	3.7	8.3	175	14.8	58.6	29	0.00
4/27/2010 13:00	44	3.1	6.9	195	15.3	59.5	30	0.00
4/27/2010 14:00	54	3.3	7.4	172	17.2	63.0	25	0.00
4/27/2010 15:00	162	3.7	8.3	207	15.8	60.4	30	0.00
4/27/2010 16:00	78	3.3	7.4	207	13.6	56.5	41	0.00
4/27/2010 17:00	33	3.7	8.3	223	13.9	57.0	39	0.00
4/27/2010 18:00	43	2.6	5.8	217	12.8	55.0	43	0.00
4/27/2010 19:00	129	3.7	8.3	201	10.0	50.0	54	0.00
4/27/2010 20:00	17	2.5	5.6	186	7.1	44.8	71	0.00
4/27/2010 21:00	-4	4.5	10.1	237	5.4	41.7	75	0.05
4/27/2010 22:00	30	1.3	2.9	203	3.8	38.8	84	0.00
4/27/2010 23:00	1	2.7	6.0	204	5.0	41.0	72	0.00
4/28/2010 0:00	15	1.9	4.3	189	4.6	40.3	72	0.00
4/28/2010 1:00	0	1.7	3.8	204	3.1	37.6	77	0.00
4/28/2010 2:00	5	1.5	3.4	148	3.1	37.6	78	0.00
4/28/2010 3:00	7	2.1	4.7	196	4.7	40.5	68	0.00
4/28/2010 4:00	3	2.6	5.8	211	4.6	40.3	66	0.00
4/28/2010 5:00	-1	2.6	5.8	260	3.0	37.4	70	0.00
4/28/2010 6:00	2	2.8	6.3	271	3.0	37.4	60	0.00
4/28/2010 7:00	0	2.9	6.5	265	3.0	37.4	53	0.00
4/28/2010 8:00	7	3.1	6.9	287	3.6	38.5	48	0.00
4/28/2010 9:00	0	4.5	10.1	279	3.8	38.8	45	0.00
4/28/2010 10:00	12	5.3	11.9	280	4.4	39.9	43	0.00
4/28/2010 11:00	9	5.5	12.3	278	4.4	39.9	42	0.00
4/28/2010 12:00	8	5.4	12.1	271	4.3	39.7	42	0.00
4/28/2010 13:00	11	5.0	11.2	279	4.0	39.2	43	0.00
4/28/2010 14:00	6	4.3	9.6	280	3.7	38.7	42	0.00
4/28/2010 15:00	8	4.2	9.4	282	4.2	39.6	40	0.00
4/28/2010 16:00	8	4.3	9.6	278	4.5	40.1	39	0.00
4/28/2010 17:00	3	4.3	9.6	275	4.6	40.3	36	0.00
4/28/2010 18:00	-1	4.3	9.6	274	4.2	39.6	38	0.00
4/28/2010 19:00	9	4.1	9.2	278	3.7	38.7	41	0.00
4/28/2010 20:00	-1	3.7	8.3	278	2.5	36.5	46	0.00
4/28/2010 21:00	2	4.9	11.0	266	2.5	36.5	41	0.00
4/28/2010 22:00	5	5.6	12.5	261	2.4	36.3	43	0.00
4/28/2010 23:00	2	4.6	10.3	253	2.2	36.0	45	0.00
4/29/2010 0:00	0	2.6	5.8	243	1.6	34.9	50	0.00
4/29/2010 1:00	5	2.5	5.6	259	1.5	34.7	50	0.00
4/29/2010 2:00	7	2.8	6.3	241	1.2	34.2	55	0.00
4/29/2010 3:00	5	3.9	8.7	228	0.9	33.6	59	0.00
4/29/2010 4:00	5	3.8	8.5	226	0.7	33.3	61	0.00
4/29/2010 5:00	7	3.8	8.5	240	1.2	34.2	54	0.00
4/29/2010 6:00	8	4.4	9.8	243	1.0	33.8	56	0.00
4/29/2010 7:00	34	3.9	8.7	254	0.7	33.3	60	0.00
4/29/2010 8:00	31	3.2	7.2	265	0.0	32.0	70	0.00
4/29/2010 9:00	56	2.3	5.1	278	-0.7	30.7	82	0.00
4/29/2010 10:00	41	3.4	7.6	264	-0.5	31.1	84	0.00
4/29/2010 11:00	24	3.2	7.2	265	-0.7	30.7	87	0.01
4/29/2010 12:00	24	3.3	7.4	265	-0.3	31.5	87	0.01
4/29/2010 13:00	0	4.2	9.4	267	0.4	32.7	87	0.00
4/29/2010 14:00	26	5.1	11.4	261	0.9	33.6	80	0.00
4/29/2010 15:00	3	6.1	13.6	261	1.9	35.4	71	0.00
4/29/2010 16:00	4	4.9	11.0	269	1.7	35.1	74	0.00
4/29/2010 17:00	-2	6.0	13.4	257	1.5	34.7	74	0.00
4/29/2010 18:00	-4	6.2	13.9	257	1.3	34.3	73	0.00
4/29/2010 19:00	5	6.1	13.6	259	1.0	33.8	75	0.00
4/29/2010 20:00	-2	5.0	11.2	261	0.9	33.6	76	0.00
4/29/2010 21:00	2	4.7	10.5	262	0.8	33.4	76	0.00
4/29/2010 22:00	-1	4.4	9.8	268	0.9	33.6	74	0.00
4/29/2010 23:00	-4	3.2	7.2	309	1.1	34.0	74	0.00
4/30/2010 0:00	-5	1.9	4.3	359	1.0	33.8	77	0.00
4/30/2010 1:00	13	2.5	5.6	36	0.3	32.5	86	0.00
4/30/2010 2:00	2	2.0	4.5	2	0.6	33.1	82	0.00
4/30/2010 3:00	-5	2.7	6.0	28	0.6	33.1	83	0.00
4/30/2010 4:00	4	3.2	7.2	19	-0.1	31.8	87	0.00
4/30/2010 5:00	8	2.5	5.6	7	-0.1	31.8	85	0.00
4/30/2010 6:00	-5	2.5	5.6	5	-0.1	31.8	81	0.00
4/30/2010 7:00	13	2.0	4.5	336	0.4	32.7	78	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ($\mu\text{g}/\text{m}^3$)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
4/30/2010 8:00	0	1.9	4.3	343	1.2	34.2	75	0.00
4/30/2010 9:00	-3	3.5	7.8	18	2.0	35.6	69	0.00
4/30/2010 10:00	5	3.7	8.3	29	3.3	37.9	61	0.00
4/30/2010 11:00	2	3.7	8.3	39	3.7	38.7	58	0.00
4/30/2010 12:00	9	2.0	4.5	17	4.3	39.7	54	0.00
4/30/2010 13:00	-5	2.6	5.8	302	4.8	40.6	53	0.00
4/30/2010 14:00	9	4.8	10.7	266	6.0	42.8	53	0.00
4/30/2010 15:00	0	3.8	8.5	285	6.2	43.2	53	0.00
4/30/2010 16:00	4	3.6	8.1	307	6.1	43.0	53	0.00
4/30/2010 17:00	-1	4.0	8.9	277	6.4	43.5	53	0.00
4/30/2010 18:00	-2	3.4	7.6	288	5.9	42.6	55	0.00
4/30/2010 19:00	-2	4.0	8.9	268	4.9	40.8	55	0.00
4/30/2010 20:00	2	3.9	8.7	268	4.0	39.2	58	0.00
4/30/2010 21:00	-5	4.0	8.9	264	3.6	38.5	59	0.00
4/30/2010 22:00	6	3.5	7.8	261	3.0	37.4	63	0.00
4/30/2010 23:00	-2	3.2	7.2	260	3.2	37.8	60	0.00
5/1/2010 0:00	-2	2.8	6.3	258	2.9	37.2	61	0.00

AM = Miscellaneous void

BA = Routine maintenance / repairs

Table 6
Warm Springs Site Hourly Average Data
Met One E-BAM
April 2010

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/1/2010 1:00	11	0.5	1.1	134	-6.1	21.0	85
4/1/2010 2:00	-1	0.6	1.3	352	-6.8	19.8	87
4/1/2010 3:00	-5	0.8	1.8	332	-7.9	17.8	85
4/1/2010 4:00	6	0.5	1.1	206	-9.0	15.8	84
4/1/2010 5:00	4	0.4	0.9	311	-8.2	17.2	86
4/1/2010 6:00	-1	0.5	1.1	289	-7.7	18.1	84
4/1/2010 7:00	-1	0.6	1.3	178	-6.8	19.8	84
4/1/2010 8:00	-4	0.9	2.0	277	-5.8	21.6	81
4/1/2010 9:00	20	1.0	2.2	24	-4.3	24.3	78
4/1/2010 10:00	14	1.4	3.1	15	-2.5	27.5	73
4/1/2010 11:00	2	1.8	4.0	29	-0.4	31.3	67
4/1/2010 12:00	2	1.9	4.3	35	2.0	35.6	54
4/1/2010 13:00	22	2.0	4.5	25	3.7	38.7	47
4/1/2010 14:00	9	2.3	5.1	37	5.3	41.5	37
4/1/2010 15:00	9	2.9	6.5	15	4.7	40.5	36
4/1/2010 16:00	-5	1.4	3.1	13	3.3	37.9	38
4/1/2010 17:00	5	1.9	4.3	275	3.3	37.9	40
4/1/2010 18:00	-2	1.4	3.1	244	3.2	37.8	39
4/1/2010 19:00	2	1.0	2.2	211	2.3	36.1	41
4/1/2010 20:00	-1	0.8	1.8	278	-0.7	30.7	52
4/1/2010 21:00	0	0.8	1.8	96	-1.8	28.8	57
4/1/2010 22:00	0	0.6	1.3	233	-2.8	27.0	62
4/1/2010 23:00	-5	0.5	1.1	291	-4.2	24.4	68
4/2/2010 0:00	-3	0.6	1.3	56	-4.1	24.6	68
4/2/2010 1:00	12	0.8	1.8	125	-5.9	21.4	78
4/2/2010 2:00	20	0.9	2.0	148	-6.8	19.8	79
4/2/2010 3:00	-5	1.1	2.5	158	-7.8	18.0	79
4/2/2010 4:00	-3	1.2	2.7	156	-7.6	18.3	78
4/2/2010 5:00	2	1.8	4.0	170	-7.5	18.5	76
4/2/2010 6:00	-3	1.8	4.0	178	-6.9	19.6	74
4/2/2010 7:00	2	2.2	4.9	186	-7.2	19.0	74
4/2/2010 8:00	3	2.6	5.8	177	-3.4	25.9	61
4/2/2010 9:00	0	3.5	7.8	177	-0.6	30.9	50
4/2/2010 10:00	-1	3.6	8.1	177	0.9	33.6	44
4/2/2010 11:00	0	3.2	7.2	219	2.9	37.2	38
4/2/2010 12:00	-5	3.1	6.9	216	5.2	41.4	32
4/2/2010 13:00	10	4.0	8.9	209	6.8	44.2	27
4/2/2010 14:00	-3	4.6	10.3	219	7.8	46.0	24
4/2/2010 15:00	4	5.6	12.5	227	7.6	45.7	21
4/2/2010 16:00	-2	6.1	13.6	228	6.1	43.0	27
4/2/2010 17:00	0	6.2	13.9	228	4.7	40.5	37
4/2/2010 18:00	12	4.6	10.3	215	3.7	38.7	43
4/2/2010 19:00	-1	4.8	10.7	204	2.5	36.5	52
4/2/2010 20:00	3	4.3	9.6	188	1.4	34.5	62
4/2/2010 21:00	2	3.6	8.1	169	0.8	33.4	66
4/2/2010 22:00	7	3.5	7.8	170	0.8	33.4	64
4/2/2010 23:00	-3	3.3	7.4	181	0.6	33.1	65
4/3/2010 0:00	2	2.6	5.8	190	0.3	32.5	68
4/3/2010 1:00	7	1.0	2.2	197	-0.4	31.3	72
4/3/2010 2:00	5	1.7	3.8	210	-0.5	31.1	72
4/3/2010 3:00	-3	1.9	4.3	65	-1.6	29.1	77
4/3/2010 4:00	15	1.6	3.6	89	-2.7	27.1	82
4/3/2010 5:00	-4	0.9	2.0	65	-2.6	27.3	73
4/3/2010 6:00	12	0.8	1.8	305	-3.4	25.9	75
4/3/2010 7:00	-2	0.6	1.3	12	-3.5	25.7	75
4/3/2010 8:00	-2	0.5	1.1	126	-2.2	28.0	68
4/3/2010 9:00	8	1.3	2.9	15	-0.3	31.5	53
4/3/2010 10:00	-5	3.1	6.9	265	0.6	33.1	49
4/3/2010 11:00	-2	3.7	8.3	285	1.7	35.1	45
4/3/2010 12:00	6	4.7	10.5	262	2.6	36.7	37
4/3/2010 13:00	-2	5.6	12.5	267	3.5	38.3	31
4/3/2010 14:00	2	5.6	12.5	253	2.7	36.9	34
4/3/2010 15:00	7	5.4	12.1	258	3.1	37.6	33
4/3/2010 16:00	-5	5.2	11.6	269	3.2	37.8	30
4/3/2010 17:00	9	5.2	11.6	269	3.5	38.3	25
4/3/2010 18:00	-3	4.3	9.6	273	1.7	35.1	33
4/3/2010 19:00	4	2.6	5.8	272	0.2	32.4	35
4/3/2010 20:00	-5	1.4	3.1	257	-2.6	27.3	45
4/3/2010 21:00	1	0.9	2.0	185	-3.0	26.6	56
4/3/2010 22:00	7	1.1	2.5	204	-3.6	25.5	60
4/3/2010 23:00	1	1.1	2.5	180	-5.1	22.8	67
4/3/2010 0:00	1	0.6	1.3	237	-7.0	19.4	72
4/4/2010 1:00	2	0.7	1.6	111	-6.5	20.3	70
4/4/2010 2:00	-2	1.2	2.7	145	-5.4	22.3	63
4/4/2010 3:00	-5	1.5	3.4	155	-6.2	20.8	67
4/4/2010 4:00	6	2.1	4.7	180	-5.5	22.1	68
4/4/2010 5:00	-3	2.6	5.8	191	-5.1	22.8	65
4/4/2010 6:00	7	2.7	6.0	192	-5.9	21.4	65
4/4/2010 7:00	0	1.9	4.3	162	-6.6	20.1	67
4/4/2010 8:00	-5	3.1	6.9	185	-3.5	25.7	54

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/4/2010 9:00	6	4.7	10.5	197	-1.2	29.8	45
4/4/2010 10:00	2	4.1	9.2	199	1.2	34.2	36
4/4/2010 11:00	9	3.6	8.1	198	2.8	37.0	29
4/4/2010 12:00	2	4.0	8.9	206	4.1	39.4	25
4/4/2010 13:00	4	4.3	9.6	210	5.3	41.5	17
4/4/2010 14:00	13	3.7	8.3	210	6.6	43.9	17
4/4/2010 15:00	-5	2.3	5.1	164	6.6	43.9	21
4/4/2010 16:00	5	2.7	6.0	174	7.1	44.8	20
4/4/2010 17:00	5	2.4	5.4	199	7.4	45.3	18
4/4/2010 18:00	2	2.8	6.3	186	6.1	43.0	24
4/4/2010 19:00	-5	4.0	8.9	156	4.3	39.7	34
4/4/2010 20:00	3	4.4	9.8	155	3.3	37.9	41
4/4/2010 21:00	6	4.2	9.4	147	2.4	36.3	47
4/4/2010 22:00	9	4.0	8.9	152	2.1	35.8	50
4/4/2010 23:00	9	3.1	6.9	165	1.4	34.5	52
4/5/2010 0:00	22	3.6	8.1	143	1.5	34.7	54
4/5/2010 1:00	8	2.9	6.5	141	1.1	34.0	55
4/5/2010 2:00	9	2.8	6.3	149	0.4	32.7	57
4/5/2010 3:00	15	1.8	4.0	153	-1.7	28.9	63
4/5/2010 4:00	0	1.4	3.1	180	-3.5	25.7	67
4/5/2010 5:00	16	1.8	4.0	221	-3.7	25.3	65
4/5/2010 6:00	11	1.3	2.9	232	-4.8	23.4	66
4/5/2010 7:00	16	0.6	1.3	310	-6.8	19.8	72
4/5/2010 8:00	4	0.7	1.6	186	-2.0	28.4	57
4/5/2010 9:00	19	0.9	2.0	142	0.9	33.6	51
4/5/2010 10:00	15	0.9	2.0	225	2.5	36.5	46
4/5/2010 11:00	15	2.3	5.1	204	3.0	37.4	48
4/5/2010 12:00	9	3.2	7.2	179	2.5	36.5	58
4/5/2010 13:00	6	2.1	4.7	245	4.3	39.7	56
4/5/2010 14:00	12	1.7	3.8	151	6.8	44.2	43
4/5/2010 15:00	22	1.7	3.8	205	8.6	47.5	36
4/5/2010 16:00	6	1.6	3.6	313	8.6	47.5	36
4/5/2010 17:00	4	2.3	5.1	333	7.3	45.1	41
4/5/2010 18:00	9	3.7	8.3	320	5.0	41.0	60
4/5/2010 19:00	9	1.5	3.4	288	4.1	39.4	60
4/5/2010 20:00	8	1.3	2.9	254	3.3	37.9	64
4/5/2010 21:00	14	1.0	2.2	286	3.3	37.9	65
4/5/2010 22:00	-5	2.0	4.5	51	1.2	34.2	73
4/5/2010 23:00	4	1.0	2.2	49	-1.5	29.3	86
4/6/2010 0:00	-3	1.2	2.7	50	-2.3	27.9	88
4/6/2010 1:00	9	1.0	2.2	37	-2.6	27.3	88
4/6/2010 2:00	6	0.8	1.8	35	-2.7	27.1	87
4/6/2010 3:00	-3	0.7	1.6	48	-2.9	26.8	86
4/6/2010 4:00	-5	0.7	1.6	63	-3.2	26.2	85
4/6/2010 5:00	11	0.6	1.3	57	-3.3	26.1	84
4/6/2010 6:00	10	0.4	0.9	278	-3.7	25.3	84
4/6/2010 7:00	5	0.6	1.3	295	-4.7	23.5	86
4/6/2010 8:00	0	0.4	0.9	279	-3.5	25.7	82
4/6/2010 9:00	-1	1.1	2.5	350	-1.3	29.7	76
4/6/2010 10:00	2	0.9	2.0	14	0.9	33.6	64
4/6/2010 11:00	13	1.0	2.2	340	2.3	36.1	58
4/6/2010 12:00	-4	1.0	2.2	31	3.4	38.1	53
4/6/2010 13:00	-4	1.2	2.7	45	3.5	38.3	58
4/6/2010 14:00	8	1.3	2.9	8	4.0	39.2	56
4/6/2010 15:00	-3	1.4	3.1	55	4.0	39.2	55
4/6/2010 16:00	7	2.3	5.1	248	4.9	40.8	44
4/6/2010 17:00	-5	2.9	6.5	269	4.9	40.8	40
4/6/2010 18:00	-5	2.8	6.3	320	3.9	39.0	41
4/6/2010 19:00	5	1.9	4.3	24	2.2	36.0	56
4/6/2010 20:00	-5	0.6	1.3	134	-1.0	30.2	70
4/6/2010 21:00	12	0.7	1.6	167	-2.6	27.3	78
4/6/2010 22:00	-5	2.1	4.7	240	-1.5	29.3	63
4/6/2010 23:00	1	3.1	6.9	236	-1.2	29.8	57
4/7/2010 0:00	10	2.7	6.0	235	-1.7	28.9	57
4/7/2010 1:00	1	2.2	4.9	210	-1.7	28.9	57
4/7/2010 2:00	-5	2.5	5.6	194	-2.3	27.9	63
4/7/2010 3:00	3	3.0	6.7	190	-1.9	28.6	61
4/7/2010 4:00	3	2.3	5.1	184	-2.2	28.0	62
4/7/2010 5:00	-1	3.3	7.4	193	-2.1	28.2	60
4/7/2010 6:00	-4	2.0	4.5	173	-3.3	26.1	64
4/7/2010 7:00	-5	2.3	5.1	173	-2.6	27.3	61
4/7/2010 8:00	5	2.7	6.0	167	0.2	32.4	52
4/7/2010 9:00	7	3.2	7.2	188	2.2	36.0	45
4/7/2010 10:00	-1	2.7	6.0	221	3.2	37.8	43
4/7/2010 11:00	4	4.0	8.9	276	5.8	42.4	36
4/7/2010 12:00	-1	3.8	8.5	267	6.0	42.8	36
4/7/2010 13:00	5	2.6	5.8	224	7.0	44.6	34
4/7/2010 14:00	-2	3.4	7.6	210	8.8	47.8	32
4/7/2010 15:00	11	4.7	10.5	274	10.2	50.4	32
4/7/2010 16:00	3	4.2	9.4	281	10.3	50.5	32
4/7/2010 17:00	4	3.5	7.8	281	10.2	50.4	33
4/7/2010 18:00	-2	2.4	5.4	314	9.4	48.9	36
4/7/2010 19:00	10	1.4	3.1	25	7.2	45.0	45
4/7/2010 20:00	0	1.3	2.9	2	3.7	38.7	57
4/7/2010 21:00	-5	1.0	2.2	278	0.1	32.2	69
4/7/2010 22:00	4	1.1	2.5	204	-1.1	30.0	77

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/7/2010 23:00	12	0.9	2.0	233	-1.9	28.6	78
4/8/2010 0:00	18	0.8	1.8	204	-2.3	27.9	77
4/8/2010 1:00	-2	2.0	4.5	226	-1.0	30.2	71
4/8/2010 2:00	5	3.5	7.8	151	3.9	39.0	55
4/8/2010 3:00	6	4.2	9.4	145	4.4	39.9	52
4/8/2010 4:00	5	5.2	11.6	144	4.3	39.7	51
4/8/2010 5:00	3	4.5	10.1	147	4.6	40.3	50
4/8/2010 6:00	-3	3.1	6.9	133	4.1	39.4	51
4/8/2010 7:00	2	4.9	11.0	156	4.8	40.6	48
4/8/2010 8:00	9	5.8	13.0	164	5.1	41.2	46
4/8/2010 9:00	5	4.7	10.5	185	7.2	45.0	41
4/8/2010 10:00	15	4.6	10.3	157	9.7	49.5	36
4/8/2010 11:00	3	6.1	13.6	143	8.9	48.0	41
4/8/2010 12:00	3	4.5	10.1	184	10.0	50.0	38
4/8/2010 13:00	22	6.0	13.4	259	3.2	37.8	68
4/8/2010 14:00	-5	7.3	16.3	266	2.5	36.5	59
4/8/2010 15:00	4	7.0	15.7	258	3.3	37.9	42
4/8/2010 16:00	4	5.4	12.1	260	3.6	38.5	40
4/8/2010 17:00	8	6.5	14.5	256	2.5	36.5	39
4/8/2010 18:00	10	6.9	15.4	257	1.3	34.3	34
4/8/2010 19:00	4	6.1	13.6	264	-0.9	30.4	41
4/8/2010 20:00	5	4.7	10.5	258	-2.0	28.4	41
4/8/2010 21:00	1	4.1	9.2	245	-2.6	27.3	42
4/8/2010 22:00	7	3.0	6.7	267	-4.0	24.8	52
4/8/2010 23:00	4	2.7	6.0	261	-3.8	25.2	47
4/9/2010 0:00	5	3.1	6.9	227	-3.6	25.5	44
4/9/2010 1:00	6	2.1	4.7	182	-4.3	24.3	54
4/9/2010 2:00	4	1.8	4.0	197	-5.5	22.1	60
4/9/2010 3:00	7	2.4	5.4	234	-5.3	22.5	57
4/9/2010 4:00	1	3.6	8.1	239	-5.2	22.6	55
4/9/2010 5:00	1	4.2	9.4	236	-5.7	21.7	53
4/9/2010 6:00	0	4.2	9.4	239	-6.0	21.2	52
4/9/2010 7:00	-4	3.4	7.6	249	-5.9	21.4	50
4/9/2010 8:00	-3	3.0	6.7	212	-3.9	25.0	43
4/9/2010 9:00	4	3.6	8.1	206	-2.1	28.2	37
4/9/2010 10:00	5	3.3	7.4	198	-0.5	31.1	30
4/9/2010 11:00	1	3.7	8.3	199	1.3	34.3	27
4/9/2010 12:00	2	4.0	8.9	246	2.8	37.0	22
4/9/2010 13:00	6	3.3	7.4	242	3.9	39.0	21
4/9/2010 14:00	0	4.5	10.1	266	4.8	40.6	20
4/9/2010 15:00	3	4.2	9.4	261	5.2	41.4	20
4/9/2010 16:00	9	4.4	9.8	284	5.4	41.7	21
4/9/2010 17:00	2	4.8	10.7	289	5.0	41.0	23
4/9/2010 18:00	3	4.5	10.1	287	4.2	39.6	25
4/9/2010 19:00	8	3.4	7.6	279	2.5	36.5	28
4/9/2010 20:00	-2	2.3	5.1	279	0.2	32.4	35
4/9/2010 21:00	-4	2.0	4.5	273	-1.6	29.1	42
4/9/2010 22:00	-2	1.6	3.6	239	-1.7	28.9	44
4/9/2010 23:00	4	1.2	2.7	226	-2.5	27.5	48
4/10/2010 0:00	9	1.3	2.9	180	-3.8	25.2	55
4/10/2010 1:00	12	1.0	2.2	146	-5.6	21.9	62
4/10/2010 2:00	7	1.1	2.5	183	-6.4	20.5	63
4/10/2010 3:00	2	0.4	0.9	146	-9.1	15.6	76
4/10/2010 4:00	-5	0.7	1.6	279	-10.8	12.6	81
4/10/2010 5:00	28	0.7	1.6	136	-10.0	14.0	79
4/10/2010 6:00	6	0.9	2.0	171	-10.1	13.8	76
4/10/2010 7:00	2	1.2	2.7	191	-8.5	16.7	68
4/10/2010 8:00	0	2.0	4.5	175	-4.8	23.4	59
4/10/2010 9:00	1	1.3	2.9	187	-1.0	30.2	43
4/10/2010 10:00	10	1.2	2.7	91	1.6	34.9	37
4/10/2010 11:00	13	1.4	3.1	89	4.0	39.2	32
4/10/2010 12:00	3	1.6	3.6	64	6.6	43.9	27
4/10/2010 13:00	4	1.5	3.4	19	8.9	48.0	21
4/10/2010 14:00	11	1.7	3.8	336	10.1	50.2	19
4/10/2010 15:00	11	1.6	3.6	347	11.7	53.1	17
4/10/2010 16:00	7	1.4	3.1	35	11.8	53.2	16
4/10/2010 17:00	4	1.4	3.1	14	12.0	53.6	17
4/10/2010 18:00	8	1.2	2.7	24	11.3	52.3	18
4/10/2010 19:00	-1	1.3	2.9	7	8.6	47.5	30
4/10/2010 20:00	3	1.3	2.9	21	6.0	42.8	38
4/10/2010 21:00	4	0.7	1.6	17	4.6	40.3	41
4/10/2010 22:00	11	0.9	2.0	278	1.8	35.2	53
4/10/2010 23:00	16	0.6	1.3	124	0.9	33.6	61
4/11/2010 0:00	22	0.6	1.3	271	-0.5	31.1	69
4/11/2010 1:00	13	0.7	1.6	174	-0.9	30.4	70
4/11/2010 2:00	5	0.6	1.3	145	0.0	32.0	66
4/11/2010 3:00	12	0.7	1.6	212	-0.2	31.6	68
4/11/2010 4:00	17	0.6	1.3	55	0.0	32.0	67
4/11/2010 5:00	10	0.5	1.1	56	0.3	32.5	61
4/11/2010 6:00	2	1.0	2.2	331	1.2	34.2	52
4/11/2010 7:00	13	0.7	1.6	238	0.8	33.4	53
4/11/2010 8:00	3	0.7	1.6	350	1.7	35.1	45
4/11/2010 9:00	6	1.0	2.2	19	2.2	36.0	41
4/11/2010 10:00	13	1.2	2.7	21	3.6	38.5	39
4/11/2010 11:00	13	1.6	3.6	22	5.3	41.5	40

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/11/2010 12:00	9	1.9	4.3	8	5.2	41.4	48
4/11/2010 13:00	12	1.9	4.3	17	5.5	41.9	50
4/11/2010 14:00	8	2.2	4.9	11	6.2	43.2	48
4/11/2010 15:00	10	2.0	4.5	11	6.9	44.4	45
4/11/2010 16:00	8	2.3	5.1	1	6.6	43.9	47
4/11/2010 17:00	6	2.3	5.1	3	5.6	42.1	49
4/11/2010 18:00	5	2.0	4.5	6	4.9	40.8	52
4/11/2010 19:00	6	1.5	3.4	11	3.6	38.5	57
4/11/2010 20:00	9	1.3	2.9	22	2.0	35.6	62
4/11/2010 21:00	3	1.2	2.7	35	1.3	34.3	64
4/11/2010 22:00	8	1.3	2.9	16	0.2	32.4	67
4/11/2010 23:00	8	0.7	1.6	59	-0.7	30.7	69
4/12/2010 0:00	2	0.4	0.9	57	-1.1	30.0	71
4/12/2010 1:00	8	1.0	2.2	249	-1.3	29.7	74
4/12/2010 2:00	3	0.7	1.6	313	-0.7	30.7	73
4/12/2010 3:00	2	0.6	1.3	292	-0.8	30.6	74
4/12/2010 4:00	7	0.6	1.3	311	-1.4	29.5	78
4/12/2010 5:00	13	0.4	0.9	10	-2.4	27.7	81
4/12/2010 6:00	-5	0.6	1.3	325	-3.6	25.5	85
4/12/2010 7:00	-5	0.6	1.3	293	-3.8	25.2	86
4/12/2010 8:00	17	0.6	1.3	241	-2.0	28.4	80
4/12/2010 9:00	4	0.9	2.0	47	0.8	33.4	66
4/12/2010 10:00	19	1.9	4.3	359	3.3	37.9	56
4/12/2010 11:00	4	1.7	3.8	8	5.4	41.7	48
4/12/2010 12:00	21	1.8	4.0	17	7.6	45.7	42
4/12/2010 13:00	23	1.8	4.0	25	8.4	47.1	41
4/12/2010 14:00	12	1.7	3.8	41	8.7	47.7	41
4/12/2010 15:00	27	1.7	3.8	21	9.8	49.6	40
4/12/2010 16:00	15	2.1	4.7	9	9.4	48.9	42
4/12/2010 17:00	18	2.2	4.9	18	9.3	48.7	43
4/12/2010 18:00	7	2.8	6.3	357	7.8	46.0	49
4/12/2010 19:00	17	2.1	4.7	16	5.3	41.5	57
4/12/2010 20:00	8	2.1	4.7	19	2.4	36.3	67
4/12/2010 21:00	12	2.0	4.5	18	1.6	34.9	71
4/12/2010 22:00	11	1.3	2.9	19	0.8	33.4	76
4/12/2010 23:00	10	1.4	3.1	12	0.1	32.2	79
4/13/2010 0:00	15	1.5	3.4	18	0.1	32.2	79
4/13/2010 1:00	9	1.5	3.4	13	-0.3	31.5	81
4/13/2010 2:00	2	1.2	2.7	21	0.1	32.2	79
4/13/2010 3:00	15	1.0	2.2	23	0.2	32.4	79
4/13/2010 4:00	-5	1.3	2.9	5	0.1	32.2	81
4/13/2010 5:00	4	1.2	2.7	5	-0.7	30.7	88
4/13/2010 6:00	-5	1.6	3.6	2	-0.9	30.4	90
4/13/2010 7:00	0	1.7	3.8	20	-1.0	30.2	90
4/13/2010 8:00	9	1.6	3.6	22	-0.8	30.6	89
4/13/2010 9:00	0	1.1	2.5	22	-0.6	30.9	90
4/13/2010 10:00	14	0.8	1.8	19	0.0	32.0	88
4/13/2010 11:00	2	1.0	2.2	44	0.5	32.9	86
4/13/2010 12:00	5	1.0	2.2	22	0.5	32.9	85
4/13/2010 13:00	3	1.1	2.5	305	0.8	33.4	85
4/13/2010 14:00	7	0.7	1.6	74	2.2	36.0	80
4/13/2010 15:00	-5	1.2	2.7	130	1.8	35.2	84
4/13/2010 16:00	-5	1.5	3.4	173	1.8	35.2	85
4/13/2010 17:00	6	2.0	4.5	205	2.1	35.8	83
4/13/2010 18:00	11	1.9	4.3	199	2.2	36.0	81
4/13/2010 19:00	-5	2.5	5.6	199	2.2	36.0	78
4/13/2010 20:00	-4	2.1	4.7	211	2.1	35.8	77
4/13/2010 21:00	4	1.9	4.3	190	2.6	36.7	73
4/13/2010 22:00	-5	2.9	6.5	218	3.0	37.4	71
4/13/2010 23:00	11	1.7	3.8	185	2.9	37.2	72
4/14/2010 0:00	-5	2.4	5.4	203	3.3	37.9	69
4/14/2010 1:00	10	1.7	3.8	173	2.7	36.9	73
4/14/2010 2:00	-5	2.5	5.6	213	3.7	38.7	63
4/14/2010 3:00	5	1.4	3.1	168	2.6	36.7	69
4/14/2010 4:00	-1	2.2	4.9	184	2.9	37.2	65
4/14/2010 5:00	1	2.5	5.6	184	3.0	37.4	64
4/14/2010 6:00	7	2.5	5.6	187	2.5	36.5	64
4/14/2010 7:00	-1	1.8	4.0	133	2.0	35.6	66
4/14/2010 8:00	4	2.3	5.1	169	3.0	37.4	60
4/14/2010 9:00	2	2.8	6.3	218	4.9	40.8	53
4/14/2010 10:00	4	3.7	8.3	250	6.6	43.9	48
4/14/2010 11:00	-1	4.4	9.8	246	7.3	45.1	49
4/14/2010 12:00	6	4.6	10.3	260	8.4	47.1	48
4/14/2010 13:00	0	5.4	12.1	253	9.9	49.8	44
4/14/2010 14:00	6	4.9	11.0	257	11.3	52.3	37
4/14/2010 15:00	4	4.1	9.2	258	12.1	53.8	33
4/14/2010 16:00	4	4.2	9.4	254	12.2	54.0	31
4/14/2010 17:00	2	3.6	8.1	258	12.4	54.3	31
4/14/2010 18:00	1	2.1	4.7	353	12.1	53.8	34
4/14/2010 19:00	1	1.7	3.8	39	10.0	50.0	41
4/14/2010 20:00	-1	1.0	2.2	39	6.8	44.2	51
4/14/2010 21:00	-5	1.2	2.7	270	1.3	34.3	75
4/14/2010 22:00	-5	0.7	1.6	141	0.8	33.4	81
4/14/2010 23:00	9	0.9	2.0	160	-0.2	31.6	83
4/15/2010 0:00	23	0.9	2.0	173	-0.5	31.1	82

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/15/2010 1:00	-5	0.7	1.6	138	-1.7	28.9	86
4/15/2010 2:00	20	0.9	2.0	174	-1.5	29.3	86
4/15/2010 3:00	-5	0.7	1.6	225	-2.6	27.3	87
4/15/2010 4:00	14	0.7	1.6	172	-2.5	27.5	88
4/15/2010 5:00	0	1.0	2.2	191	-1.9	28.6	84
4/15/2010 6:00	5	1.0	2.2	174	-1.7	28.9	84
4/15/2010 7:00	2	0.9	2.0	157	-2.3	27.9	85
4/15/2010 8:00	14	1.6	3.6	202	2.2	36.0	71
4/15/2010 9:00	0	1.7	3.8	194	6.3	43.3	55
4/15/2010 10:00	13	1.8	4.0	202	9.1	48.4	39
4/15/2010 11:00	11	1.6	3.6	259	10.8	51.4	33
4/15/2010 12:00	11	1.6	3.6	328	12.5	54.5	30
4/15/2010 13:00	16	1.7	3.8	102	14.2	57.6	25
4/15/2010 14:00	6	1.7	3.8	40	15.0	59.0	25
4/15/2010 15:00	10	1.6	3.6	68	16.1	61.0	22
4/15/2010 16:00	14	1.5	3.4	86	16.9	62.4	20
4/15/2010 17:00	7	2.1	4.7	12	15.8	60.4	27
4/15/2010 18:00	-1	2.3	5.1	2	14.2	57.6	30
4/15/2010 19:00	-1	1.1	2.5	12	12.0	53.6	38
4/15/2010 20:00	8	1.0	2.2	320	9.5	49.1	45
4/15/2010 21:00	4	1.0	2.2	319	6.3	43.3	56
4/15/2010 22:00	1	0.9	2.0	312	3.4	38.1	67
4/15/2010 23:00	6	0.7	1.6	179	1.4	34.5	80
4/16/2010 0:00	31	0.8	1.8	160	0.9	33.6	78
4/16/2010 1:00	-3	1.4	3.1	182	0.2	32.4	77
4/16/2010 2:00	2	1.7	3.8	174	0.2	32.4	76
4/16/2010 3:00	12	1.8	4.0	168	-0.2	31.6	78
4/16/2010 4:00	3	1.8	4.0	195	-0.3	31.5	76
4/16/2010 5:00	20	1.5	3.4	182	-0.9	30.4	78
4/16/2010 6:00	9	1.3	2.9	212	-2.0	28.4	81
4/16/2010 7:00	3	1.6	3.6	217	0.3	32.5	74
4/16/2010 8:00	-1	1.8	4.0	207	5.2	41.4	59
4/16/2010 9:00	4	1.8	4.0	198	9.5	49.1	46
4/16/2010 10:00	15	1.4	3.1	229	12.9	55.2	33
4/16/2010 11:00	19	1.8	4.0	186	15.6	60.1	27
4/16/2010 12:00	7	2.1	4.7	165	17.6	63.7	22
4/16/2010 13:00	8	3.8	8.5	151	18.6	65.5	21
4/16/2010 14:00	3	4.0	8.9	145	19.0	66.2	21
4/16/2010 15:00	9	4.0	8.9	154	20.1	68.2	17
4/16/2010 16:00	2	4.3	9.6	156	19.5	67.1	18
4/16/2010 17:00	0	4.1	9.2	157	18.4	65.1	23
4/16/2010 18:00	2	3.1	6.9	158	17.3	63.1	27
4/16/2010 19:00	6	2.7	6.0	144	16.2	61.2	31
4/16/2010 20:00	4	1.5	3.4	194	13.2	55.8	39
4/16/2010 21:00	8	1.1	2.5	278	9.6	49.3	52
4/16/2010 22:00	4	1.0	2.2	260	9.2	48.6	55
4/16/2010 23:00	5	1.0	2.2	250	8.8	47.8	56
4/17/2010 0:00	5	1.1	2.5	236	7.0	44.6	59
4/17/2010 1:00	16	0.6	1.3	160	5.8	42.4	66
4/17/2010 2:00	-1	1.2	2.7	175	5.3	41.5	66
4/17/2010 3:00	13	1.0	2.2	163	5.5	41.9	66
4/17/2010 4:00	4	1.1	2.5	259	5.9	42.6	66
4/17/2010 5:00	-3	0.8	1.8	4	4.3	39.7	73
4/17/2010 6:00	18	1.1	2.5	161	3.7	38.7	74
4/17/2010 7:00	8	1.4	3.1	168	4.1	39.4	72
4/17/2010 8:00	3	2.4	5.4	171	7.9	46.2	59
4/17/2010 9:00	18	3.1	6.9	174	11.6	52.9	48
4/17/2010 10:00	7	3.8	8.5	189	14.4	57.9	41
4/17/2010 11:00	17	5.4	12.1	213	15.4	59.7	40
4/17/2010 12:00	6	4.5	10.1	227	16.1	61.0	40
4/17/2010 13:00	4	3.7	8.3	237	16.0	60.8	39
4/17/2010 14:00	5	2.9	6.5	222	15.2	59.4	41
4/17/2010 15:00	8	2.3	5.1	126	16.6	61.9	37
4/17/2010 16:00	8	1.6	3.6	56	17.2	63.0	34
4/17/2010 17:00	-1	2.1	4.7	13	16.4	61.5	37
4/17/2010 18:00	8	2.2	4.9	11	15.6	60.1	40
4/17/2010 19:00	3	1.4	3.1	356	13.7	56.7	48
4/17/2010 20:00	5	0.9	2.0	305	8.2	46.8	69
4/17/2010 21:00	-5	0.6	1.3	223	6.1	43.0	77
4/17/2010 22:00	11	0.8	1.8	239	3.8	38.8	82
4/17/2010 23:00	22	0.8	1.8	178	4.2	39.6	81
4/18/2010 0:00	17	0.9	2.0	151	3.2	37.8	83
4/18/2010 1:00	-2	1.1	2.5	177	2.6	36.7	81
4/18/2010 2:00	14	1.2	2.7	150	1.7	35.1	85
4/18/2010 3:00	10	1.2	2.7	162	1.2	34.2	85
4/18/2010 4:00	11	1.2	2.7	179	0.9	33.6	86
4/18/2010 5:00	19	1.3	2.9	188	1.3	34.3	84
4/18/2010 6:00	-4	1.7	3.8	199	1.0	33.8	84
4/18/2010 7:00	19	0.9	2.0	145	1.5	34.7	82
4/18/2010 8:00	-5	1.2	2.7	185	5.9	42.6	70
4/18/2010 9:00	9	1.2	2.7	32	7.9	46.2	62
4/18/2010 10:00	11	1.2	2.7	288	11.1	52.0	51
4/18/2010 11:00	12	1.5	3.4	333	13.5	56.3	44
4/18/2010 12:00	20	1.4	3.1	97	16.5	61.7	33
4/18/2010 13:00	6	2.3	5.1	152	17.0	62.6	25
4/18/2010 14:00	7	2.8	6.3	240	18.4	65.1	21

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/18/2010 15:00	6	2.3	5.1	236	18.6	65.5	19
4/18/2010 16:00	4	2.0	4.5	199	18.6	65.5	19
4/18/2010 17:00	18	2.2	4.9	2	18.1	64.6	25
4/18/2010 18:00	-2	1.8	4.0	10	16.0	60.8	31
4/18/2010 19:00	6	1.4	3.1	8	14.3	57.7	35
4/18/2010 20:00	8	0.7	1.6	14	11.2	52.2	46
4/18/2010 21:00	7	0.9	2.0	313	7.9	46.2	55
4/18/2010 22:00	8	1.0	2.2	278	6.0	42.8	61
4/18/2010 23:00	10	0.6	1.3	156	3.2	37.8	73
4/19/2010 0:00	21	0.9	2.0	181	2.0	35.6	79
4/19/2010 1:00	-4	0.9	2.0	156	1.2	34.2	79
4/19/2010 2:00	18	1.3	2.9	165	1.3	34.3	78
4/19/2010 3:00	3	1.1	2.5	161	0.7	33.3	80
4/19/2010 4:00	10	1.0	2.2	161	0.1	32.2	81
4/19/2010 5:00	6	1.0	2.2	189	-0.2	31.6	81
4/19/2010 6:00	-3	0.9	2.0	159	-1.0	30.2	83
4/19/2010 7:00	22	1.6	3.6	202	1.5	34.7	73
4/19/2010 8:00	-5	2.1	4.7	198	5.8	42.4	59
4/19/2010 9:00	9	1.5	3.4	191	10.2	50.4	46
4/19/2010 10:00	15	1.0	2.2	155	14.0	57.2	34
4/19/2010 11:00	19	1.4	3.1	12	15.8	60.4	31
4/19/2010 12:00	18	1.3	2.9	22	18.2	64.8	27
4/19/2010 13:00	12	1.5	3.4	118	19.7	67.5	20
4/19/2010 14:00	14	1.7	3.8	190	20.8	69.4	17
4/19/2010 15:00	11	1.6	3.6	147	21.8	71.2	14
4/19/2010 16:00	6	1.6	3.6	102	22.1	71.8	13
4/19/2010 17:00	12	1.6	3.6	20	22.2	72.0	12
4/19/2010 18:00	10	1.8	4.0	8	21.3	70.3	13
4/19/2010 19:00	4	1.6	3.6	351	19.1	66.4	22
4/19/2010 20:00	-5	1.3	2.9	346	13.1	55.6	43
4/19/2010 21:00	2	1.2	2.7	297	12.5	54.5	41
4/19/2010 22:00	9	1.0	2.2	11	11.0	51.8	47
4/19/2010 23:00	21	0.8	1.8	160	6.7	44.1	64
4/20/2010 0:00	21	0.9	2.0	200	4.7	40.5	66
4/20/2010 1:00	8	1.1	2.5	143	3.8	38.8	71
4/20/2010 2:00	5	1.3	2.9	165	2.7	36.9	75
4/20/2010 3:00	12	1.5	3.4	193	2.8	37.0	73
4/20/2010 4:00	7	1.2	2.7	178	2.6	36.7	75
4/20/2010 5:00	18	1.8	4.0	203	2.1	35.8	77
4/20/2010 6:00	5	1.3	2.9	168	1.6	34.9	79
4/20/2010 7:00	5	1.3	2.9	165	3.7	38.7	73
4/20/2010 8:00	3	1.7	3.8	192	8.7	47.7	59
4/20/2010 9:00	13	1.6	3.6	202	13.0	55.4	47
4/20/2010 10:00	15	1.5	3.4	244	16.5	61.7	37
4/20/2010 11:00	20	1.4	3.1	132	19.2	66.6	31
4/20/2010 12:00	10	1.4	3.1	36	20.1	68.2	28
4/20/2010 13:00	14	1.7	3.8	126	22.5	72.5	20
4/20/2010 14:00	9	1.9	4.3	117	23.5	74.3	16
4/20/2010 15:00	10	3.2	7.2	145	23.7	74.7	16
4/20/2010 16:00	19	2.8	6.3	155	23.8	74.8	15
4/20/2010 17:00	2	1.7	3.8	137	22.5	72.5	16
4/20/2010 18:00	-2	3.1	6.9	139	20.9	69.6	21
4/20/2010 19:00	3	3.7	8.3	129	19.4	66.9	28
4/20/2010 20:00	10	2.0	4.5	112	17.4	63.3	31
4/20/2010 21:00	8	1.6	3.6	287	13.9	57.0	40
4/20/2010 22:00	17	1.7	3.8	234	13.5	56.3	48
4/20/2010 23:00	3	1.2	2.7	231	10.9	51.6	58
4/21/2010 0:00	22	1.0	2.2	151	8.8	47.8	67
4/21/2010 1:00	8	0.7	1.6	145	6.8	44.2	77
4/21/2010 2:00	24	0.8	1.8	13	5.1	41.2	79
4/21/2010 3:00	-3	0.7	1.6	276	3.3	37.9	82
4/21/2010 4:00	5	1.1	2.5	172	3.5	38.3	83
4/21/2010 5:00	1	0.8	1.8	270	3.1	37.6	82
4/21/2010 6:00	18	0.7	1.6	181	2.1	35.8	86
4/21/2010 7:00	11	0.7	1.6	214	3.1	37.6	82
4/21/2010 8:00	7	1.0	2.2	173	7.2	45.0	70
4/21/2010 9:00	18	0.9	2.0	232	12.2	54.0	51
4/21/2010 10:00	28	1.4	3.1	19	15.6	60.1	43
4/21/2010 11:00	BA	1.3	2.9	346	18.0	64.4	35
4/21/2010 12:00	BA	BA	BA	BA	18.8	65.8	32
4/21/2010 13:00	32	1.5	3.4	59	20.5	68.9	30
4/21/2010 14:00	25	2.1	4.7	4	21.4	70.5	29
4/21/2010 15:00	16	2.1	4.7	10	21.3	70.3	31
4/21/2010 16:00	17	2.4	5.4	15	21.9	71.4	28
4/21/2010 17:00	25	2.3	5.1	70	21.4	70.5	27
4/21/2010 18:00	5	2.2	4.9	72	19.7	67.5	32
4/21/2010 19:00	10	2.2	4.9	68	19.0	66.2	34
4/21/2010 20:00	12	1.2	2.7	16	16.2	61.2	47
4/21/2010 21:00	5	1.1	2.5	44	14.1	57.4	56
4/21/2010 22:00	14	2.2	4.9	162	14.5	58.1	52
4/21/2010 23:00	3	2.7	6.0	208	12.3	54.1	59
4/22/2010 0:00	10	1.9	4.3	189	11.4	52.5	66
4/22/2010 1:00	5	2.4	5.4	194	11.3	52.3	66
4/22/2010 2:00	11	0.9	2.0	132	9.9	49.8	71
4/22/2010 3:00	-3	1.1	2.5	358	7.6	45.7	77

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/22/2010 4:00	18	1.0	2.2	289	5.4	41.7	84
4/22/2010 5:00	1	0.7	1.6	19	5.1	41.2	86
4/22/2010 6:00	2	0.6	1.3	271	3.7	38.7	89
4/22/2010 7:00	16	0.8	1.8	263	5.1	41.2	86
4/22/2010 8:00	11	1.0	2.2	353	9.4	48.9	70
4/22/2010 9:00	16	1.6	3.6	22	11.6	52.9	64
4/22/2010 10:00	11	1.8	4.0	12	12.7	54.9	61
4/22/2010 11:00	18	2.1	4.7	7	14.0	57.2	58
4/22/2010 12:00	32	2.2	4.9	17	16.5	61.7	49
4/22/2010 13:00	45	2.6	5.8	19	17.9	64.2	45
4/22/2010 14:00	44	2.6	5.8	34	17.9	64.2	45
4/22/2010 15:00	30	2.3	5.1	33	17.6	63.7	44
4/22/2010 16:00	-1	4.1	9.2	276	16.0	60.8	49
4/22/2010 17:00	12	3.8	8.5	246	13.8	56.8	54
4/22/2010 18:00	18	2.7	6.0	205	12.6	54.7	57
4/22/2010 19:00	-3	4.2	9.4	260	10.8	51.4	63
4/22/2010 20:00	9	2.6	5.8	275	10.0	50.0	64
4/22/2010 21:00	6	1.5	3.4	12	10.0	50.0	64
4/22/2010 22:00	2	1.1	2.5	330	8.6	47.5	69
4/22/2010 23:00	3	1.1	2.5	190	8.2	46.8	67
4/23/2010 0:00	11	1.2	2.7	73	7.9	46.2	66
4/23/2010 1:00	7	1.1	2.5	194	6.5	43.7	63
4/23/2010 2:00	-5	1.5	3.4	354	5.2	41.4	60
4/23/2010 3:00	9	0.8	1.8	346	3.5	38.3	64
4/23/2010 4:00	2	0.9	2.0	303	1.1	34.0	72
4/23/2010 5:00	9	0.7	1.6	88	-0.6	30.9	81
4/23/2010 6:00	8	0.8	1.8	5	-1.2	29.8	82
4/23/2010 7:00	10	0.6	1.3	257	-0.2	31.6	77
4/23/2010 8:00	2	1.0	2.2	91	5.2	41.4	56
4/23/2010 9:00	10	2.9	6.5	276	7.3	45.1	45
4/23/2010 10:00	10	4.4	9.8	263	8.4	47.1	37
4/23/2010 11:00	6	3.9	8.7	277	10.2	50.4	30
4/23/2010 12:00	11	2.5	5.6	8	11.2	52.2	28
4/23/2010 13:00	16	2.0	4.5	52	12.1	53.8	28
4/23/2010 14:00	8	2.5	5.6	19	13.0	55.4	27
4/23/2010 15:00	14	2.0	4.5	32	13.9	57.0	25
4/23/2010 16:00	13	1.9	4.3	43	14.2	57.6	24
4/23/2010 17:00	8	2.2	4.9	49	14.0	57.2	25
4/23/2010 18:00	0	2.2	4.9	46	13.0	55.4	28
4/23/2010 19:00	4	1.9	4.3	44	11.1	52.0	32
4/23/2010 20:00	-1	1.1	2.5	50	8.1	46.6	40
4/23/2010 21:00	4	1.0	2.2	83	5.9	42.6	47
4/23/2010 22:00	2	0.8	1.8	77	3.7	38.7	55
4/23/2010 23:00	10	1.0	2.2	264	2.3	36.1	60
4/24/2010 0:00	5	1.2	2.7	197	0.2	32.4	66
4/24/2010 1:00	3	1.1	2.5	185	-0.1	31.8	64
4/24/2010 2:00	7	1.0	2.2	253	-2.0	28.4	72
4/24/2010 3:00	10	0.8	1.8	359	-1.6	29.1	72
4/24/2010 4:00	-2	1.3	2.9	209	0.3	32.5	67
4/24/2010 5:00	9	2.0	4.5	182	1.5	34.7	63
4/24/2010 6:00	-4	1.3	2.9	158	1.9	35.4	61
4/24/2010 7:00	2	2.0	4.5	188	4.6	40.3	53
4/24/2010 8:00	2	2.8	6.3	180	7.8	46.0	44
4/24/2010 9:00	12	3.4	7.6	191	10.6	51.1	36
4/24/2010 10:00	8	4.8	10.7	206	11.7	53.1	33
4/24/2010 11:00	1	4.9	11.0	206	11.7	53.1	34
4/24/2010 12:00	-3	2.7	6.0	274	12.5	54.5	34
4/24/2010 13:00	10	4.1	9.2	277	12.8	55.0	33
4/24/2010 14:00	0	5.1	11.4	277	13.4	56.1	34
4/24/2010 15:00	19	6.5	14.5	284	14.2	57.6	31
4/24/2010 16:00	20	6.8	15.2	288	13.2	55.8	32
4/24/2010 17:00	14	5.0	11.2	296	12.1	53.8	33
4/24/2010 18:00	-3	4.7	10.5	324	10.0	50.0	39
4/24/2010 19:00	-3	3.8	8.5	323	7.7	45.9	44
4/24/2010 20:00	-5	3.6	8.1	320	5.9	42.6	45
4/24/2010 21:00	1	2.8	6.3	261	4.2	39.6	53
4/24/2010 22:00	1	2.9	6.5	266	2.4	36.3	56
4/24/2010 23:00	-2	1.9	4.3	290	1.2	34.2	55
4/25/2010 0:00	12	1.8	4.0	273	0.7	33.3	50
4/25/2010 1:00	3	1.5	3.4	251	-0.7	30.7	53
4/25/2010 2:00	4	2.6	5.8	239	0.6	33.1	47
4/25/2010 3:00	9	1.7	3.8	185	-0.1	31.8	49
4/25/2010 4:00	5	1.6	3.6	217	-0.4	31.3	51
4/25/2010 5:00	5	3.2	7.2	256	-1.0	30.2	66
4/25/2010 6:00	6	1.9	4.3	280	-2.0	28.4	69
4/25/2010 7:00	5	1.1	2.5	231	-1.1	30.0	66
4/25/2010 8:00	-5	1.3	2.9	100	1.8	35.2	58
4/25/2010 9:00	2	2.2	4.9	344	4.7	40.5	41
4/25/2010 10:00	2	1.6	3.6	319	5.6	42.1	37
4/25/2010 11:00	7	2.4	5.4	328	5.1	41.2	38
4/25/2010 12:00	3	2.4	5.4	359	6.1	43.0	39
4/25/2010 13:00	3	3.2	7.2	344	7.8	46.0	33
4/25/2010 14:00	-3	2.0	4.5	21	7.5	45.5	29
4/25/2010 15:00	-5	3.5	7.8	321	6.5	43.7	35
4/25/2010 16:00	5	1.5	3.4	50	6.8	44.2	34
4/25/2010 17:00	8	1.8	4.0	22	7.4	45.3	32

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/25/2010 18:00	-1	1.9	4.3	19	7.2	45.0	34
4/25/2010 19:00	4	1.6	3.6	21	5.8	42.4	38
4/25/2010 20:00	-2	0.7	1.6	88	3.6	38.5	49
4/25/2010 21:00	2	0.9	2.0	263	-0.3	31.5	66
4/25/2010 22:00	-5	0.6	1.3	274	-2.3	27.9	72
4/25/2010 23:00	4	0.7	1.6	215	-3.5	25.7	78
4/26/2010 0:00	11	0.7	1.6	145	-4.4	24.1	77
4/26/2010 1:00	25	0.7	1.6	242	-4.9	23.2	81
4/26/2010 2:00	-5	0.5	1.1	155	-5.8	21.6	83
4/26/2010 3:00	5	0.9	2.0	172	-5.6	21.9	81
4/26/2010 4:00	-5	0.9	2.0	173	-5.9	21.4	79
4/26/2010 5:00	8	1.1	2.5	183	-5.3	22.5	77
4/26/2010 6:00	10	1.2	2.7	196	-4.8	23.4	75
4/26/2010 7:00	7	1.7	3.8	189	-1.9	28.6	66
4/26/2010 8:00	-1	2.1	4.7	194	0.3	32.5	59
4/26/2010 9:00	2	1.8	4.0	201	4.7	40.5	43
4/26/2010 10:00	11	1.6	3.6	133	8.5	47.3	33
4/26/2010 11:00	3	2.1	4.7	177	10.2	50.4	29
4/26/2010 12:00	1	2.0	4.5	159	11.6	52.9	27
4/26/2010 13:00	2	2.5	5.6	148	12.7	54.9	26
4/26/2010 14:00	3	2.7	6.0	155	13.7	56.7	25
4/26/2010 15:00	2	2.6	5.8	159	14.2	57.6	25
4/26/2010 16:00	15	1.8	4.0	116	15.6	60.1	23
4/26/2010 17:00	8	1.6	3.6	170	16.7	62.1	20
4/26/2010 18:00	0	1.1	2.5	223	15.8	60.4	21
4/26/2010 19:00	-1	0.8	1.8	351	13.2	55.8	31
4/26/2010 20:00	23	0.8	1.8	290	9.5	49.1	46
4/26/2010 21:00	19	1.0	2.2	291	7.5	45.5	51
4/26/2010 22:00	8	0.9	2.0	282	4.9	40.8	58
4/26/2010 23:00	10	1.0	2.2	286	2.7	36.9	65
4/27/2010 0:00	19	0.8	1.8	312	1.7	35.1	68
4/27/2010 1:00	9	1.0	2.2	243	3.5	38.3	64
4/27/2010 2:00	4	1.4	3.1	225	6.5	43.7	55
4/27/2010 3:00	9	2.8	6.3	160	9.2	48.6	47
4/27/2010 4:00	12	2.7	6.0	152	10.3	50.5	41
4/27/2010 5:00	7	2.0	4.5	167	9.1	48.4	44
4/27/2010 6:00	7	3.1	6.9	187	9.7	49.5	42
4/27/2010 7:00	14	3.1	6.9	186	10.2	50.4	40
4/27/2010 8:00	11	4.2	9.4	176	11.2	52.2	39
4/27/2010 9:00	11	5.2	11.6	166	12.4	54.3	38
4/27/2010 10:00	20	7.3	16.3	148	14.2	57.6	34
4/27/2010 11:00	15	7.0	15.7	148	15.5	59.9	31
4/27/2010 12:00	10	5.5	12.3	175	16.3	61.3	28
4/27/2010 13:00	1	4.6	10.3	211	15.8	60.4	31
4/27/2010 14:00	13	2.8	6.3	211	16.1	61.0	29
4/27/2010 15:00	6	5.1	11.4	213	16.3	61.3	30
4/27/2010 16:00	13	4.5	10.1	213	14.7	58.5	40
4/27/2010 17:00	-2	3.8	8.5	247	13.4	56.1	46
4/27/2010 18:00	7	2.2	4.9	248	13.2	55.8	44
4/27/2010 19:00	5	4.4	9.8	213	11.4	52.5	51
4/27/2010 20:00	1	3.6	8.1	182	9.0	48.2	64
4/27/2010 21:00	-5	4.4	9.8	235	6.8	44.2	72
4/27/2010 22:00	15	1.0	2.2	136	3.8	38.8	89
4/27/2010 23:00	-5	1.8	4.0	158	4.3	39.7	81
4/28/2010 0:00	4	1.5	3.4	183	4.4	39.9	78
4/28/2010 1:00	11	1.9	4.3	215	3.5	38.3	82
4/28/2010 2:00	-5	2.0	4.5	185	3.7	38.7	80
4/28/2010 3:00	0	2.3	5.1	193	4.5	40.1	76
4/28/2010 4:00	7	3.5	7.8	204	5.0	41.0	70
4/28/2010 5:00	-5	3.7	8.3	254	3.7	38.7	67
4/28/2010 6:00	14	5.0	11.2	233	2.9	37.2	63
4/28/2010 7:00	1	4.0	8.9	237	2.9	37.2	59
4/28/2010 8:00	6	4.1	9.2	243	3.8	38.8	54
4/28/2010 9:00	3	4.7	10.5	247	4.8	40.6	49
4/28/2010 10:00	0	6.0	13.4	254	4.7	40.5	47
4/28/2010 11:00	-2	5.7	12.8	261	4.5	40.1	47
4/28/2010 12:00	-4	5.7	12.8	262	4.8	40.6	45
4/28/2010 13:00	10	6.5	14.5	261	3.9	39.0	49
4/28/2010 14:00	-5	5.6	12.5	262	3.9	39.0	45
4/28/2010 15:00	11	6.2	13.9	264	4.3	39.7	42
4/28/2010 16:00	5	5.8	13.0	264	4.7	40.5	41
4/28/2010 17:00	2	5.3	11.9	269	4.9	40.8	39
4/28/2010 18:00	-1	5.1	11.4	268	4.7	40.5	39
4/28/2010 19:00	1	4.8	10.7	265	4.0	39.2	45
4/28/2010 20:00	-5	4.2	9.4	266	2.8	37.0	49
4/28/2010 21:00	0	3.5	7.8	260	2.5	36.5	48
4/28/2010 22:00	6	4.0	8.9	248	2.3	36.1	49
4/28/2010 23:00	1	4.1	9.2	244	2.2	36.0	51
4/29/2010 0:00	1	4.0	8.9	244	2.1	35.8	52
4/29/2010 1:00	-1	4.6	10.3	248	1.8	35.2	55
4/29/2010 2:00	5	4.3	9.6	244	1.7	35.1	57
4/29/2010 3:00	0	3.8	8.5	252	1.9	35.4	56
4/29/2010 4:00	5	4.4	9.8	244	1.9	35.4	57
4/29/2010 5:00	3	5.1	11.4	244	1.5	34.7	59
4/29/2010 6:00	12	3.4	7.6	254	0.9	33.6	62

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
4/29/2010 7:00	-5	3.0	6.7	254	0.9	33.6	63
4/29/2010 8:00	8	2.5	5.6	240	0.0	32.0	75
4/29/2010 9:00	-5	2.0	4.5	224	-0.2	31.6	80
4/29/2010 10:00	15	2.0	4.5	237	0.2	32.4	80
4/29/2010 11:00	5	1.7	3.8	237	0.3	32.5	80
4/29/2010 12:00	-1	1.6	3.6	241	1.0	33.8	77
4/29/2010 13:00	2	3.0	6.7	258	2.4	36.3	68
4/29/2010 14:00	-5	3.4	7.6	260	3.1	37.6	61
4/29/2010 15:00	-2	4.0	8.9	275	4.0	39.2	56
4/29/2010 16:00	3	4.4	9.8	253	3.6	38.5	60
4/29/2010 17:00	-4	3.0	6.7	259	3.1	37.6	64
4/29/2010 18:00	-1	3.1	6.9	283	3.2	37.8	62
4/29/2010 19:00	3	2.4	5.4	263	2.1	35.8	68
4/29/2010 20:00	0	1.4	3.1	336	2.1	35.8	68
4/29/2010 21:00	3	1.1	2.5	156	1.7	35.1	71
4/29/2010 22:00	-5	0.9	2.0	69	1.6	34.9	74
4/29/2010 23:00	2	0.8	1.8	60	1.3	34.3	79
4/30/2010 0:00	7	1.0	2.2	50	1.2	34.2	80
4/30/2010 1:00	0	1.3	2.9	39	0.7	33.3	85
4/30/2010 2:00	5	0.9	2.0	51	0.6	33.1	85
4/30/2010 3:00	-5	1.7	3.8	13	0.9	33.6	83
4/30/2010 4:00	6	1.6	3.6	23	0.4	32.7	86
4/30/2010 5:00	6	1.5	3.4	26	0.4	32.7	83
4/30/2010 6:00	12	1.4	3.1	37	0.3	32.5	80
4/30/2010 7:00	-5	1.4	3.1	39	1.2	34.2	75
4/30/2010 8:00	-1	1.8	4.0	18	1.8	35.2	71
4/30/2010 9:00	0	1.8	4.0	21	2.9	37.2	66
4/30/2010 10:00	12	1.8	4.0	33	4.8	40.6	55
4/30/2010 11:00	3	1.7	3.8	36	5.3	41.5	51
4/30/2010 12:00	-4	1.7	3.8	31	6.4	43.5	48
4/30/2010 13:00	4	1.7	3.8	31	7.4	45.3	46
4/30/2010 14:00	3	2.5	5.6	357	8.3	46.9	42
4/30/2010 15:00	-5	5.9	13.2	300	9.1	48.4	40
4/30/2010 16:00	BA	5.3	11.9	289	8.0	46.4	46
4/30/2010 17:00	13	4.2	9.4	314	8.2	46.8	44
4/30/2010 18:00	0	4.0	8.9	295	7.3	45.1	49
4/30/2010 19:00	-2	3.5	7.8	301	6.2	43.2	52
4/30/2010 20:00	2	2.7	6.0	314	5.0	41.0	57
4/30/2010 21:00	-2	2.9	6.5	293	4.7	40.5	57
4/30/2010 22:00	1	2.4	5.4	260	3.7	38.7	63
4/30/2010 23:00	1	2.8	6.3	245	3.5	38.3	63
5/1/2010 0:00	0	3.4	7.6	249	3.4	38.1	63

BA = Routine maintenance / repairs